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ABSTRACT

Compiled are abstracts and indexes to selected print and nonprint materials related to wastewater treatment and water quality education and instruction, as well as materials related to pesticides, hazardous wastes, and public participation. Sources of abstracted/indexed materials include all levels of government, private concerns, and educational institutes. Title, author(s), publication date, cross-references, descriptors, and availablity are provided for each entry. Procedures are outlined by which instructors and curriculum developers in the water quality control field can locate instructional materials to meet general or highly specific requirements of their programs. Also included are an author and subject index. This publication supplements and does not replace "Water Quality Instructional Resources Information System (IRIS): A Compilation of Abstracts to Water Quality and Water Resources" or IRIS Supplements 1-27. (ML)

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ED279543

Prepared by

Environmental Quality Instructional Resources Center
SMEAC Information Reference Center
The Ohio State University
1200 Chambers Road, Room 310
Columbus, OH 43212

WATER QUALITY INSTRUCTIONAL
RESOURCES INFORMATION SYSTEM (IRIS)

A Compilation of Abstracts to
Water Quality and Water Resources Materials

Supplement 28, 1986

U.S. DEPARTMENT OF EDUCATION
Office of Educational Research and Improvement
EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)
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December, 1986

SE 047 813

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Preface

This publication contains abstracts and indexes to selected materials related to wastewater treatment and water quality education and instruction. In addition, some materials related to pesticides, hazardous wastes, and public participation are included. Also included are procedures to illustrate how instructors and curriculum developers in the water quality control field can locate instructional materials to meet very general or highly specific requirements in their programs.

Supplements to this publication will be issued periodically.

For further information about these materials contact:

Environmental Quality Instructional Resources Center
1200 Chambers Road, Room 310
Columbus, Ohio 43212

(614) 292-6717

I. General Information about Materials in IRIS.

A. What types of materials are included in IRIS?

The Environmental Quality Instructional Resources Center acquires, reviews, indexes, and announces both print (books, modules, units, etc.) and non-print (films, slides, video tapes, etc.) materials related to water quality and water resources education and instruction.

Materials selected must be available from some source for announcement. When materials are not readily available we attempt to make the materials available through some national information service for easier acquisition. In a few cases the Environmental Quality Instructional Resources Center is the source of the materials.

B. How are materials entered into IRIS?

We request that people assist us in locating materials for the system. If you have materials you believe to be useful to others, please send two copies if possible to the:

Environmental Quality (EQ) Instructional Resources Center
1200 Chambers Road, Room 310
Columbus, Ohio 43212

Materials are reviewed by the project staff. Availability of the materials is checked, and the materials are abstracted and indexed. The abstract describes the contents of the material. The index terms (descriptors) are concepts or terms used to describe the contents and the form of the document. (See the Subject Index for a listing of those that have been used.) The index terms are useful for locating materials manually, such as with this supplement, and also by computer.

When items are processed they are entered on the IRIS (water) computer tape. This tape is maintained by the EQ Instructional Resources Center at The Ohio State University and is used for producing tapes for other information systems, publications, and for computer searches conducted at The Ohio State University.

C. How can a user locate materials in IRIS?

1. All materials placed in IRIS (water) collection.

Materials entered into the IRIS (water) collection can be located in two ways: (1) by manual search of the 1983 compilation and supplements that follow and (2) by computer.

The compilation produced in 1983 includes the original IRIS (1979) and Supplements 1-15. It is available for $75.00.

Quarterly updates of the compilation are available by subscription on a yearly basis. Information regarding an annual subscription to IRIS (water) Quarterly Compilations can be obtained by writing to the EQ Instructional Resources Center. A subscription to the quarterly supplements for 1985 is $12.00 (within the U.S.). Price to Canada and Mexico is $14.00. Prices in other Countries is $18.00. Separate quarterly supplements are $5.00 each.

The compilation and the quarterly supplements can be scanned and the subject index can be used for manual searches.

Computer tapes of the IRIS (water) collection can also be searched. The IRIS tapes are available for searching at The Ohio State University and will again be available for computer searching at other sites in the future.

2. Materials placed in the Educational Resources Information System (ERIC)

A number of the materials processed for the IRIS (water) system are entered into the ERIC system and announced in Resources in Education (RIE). Resources in Education (RIE) is published monthly and is available from:

Superintendent of Documents
U.S. Government Printing Office
Washington, DC 20402
(202) 783-3238

The current price is listed in the most recent issue of RIE. Check if a college or university library close to you has a copy. If they do not, contact the EQ Instructional Resources Center for assistance.

Many libraries subscribe to RIE. Materials announced in RIE can be searched manually each month by scanning RIE or by checking the index terms in the back of each issue. Materials announced in RIE can be searched by computer also. ERIC computer tapes may be purchased outright, but users can access them through Dialog, BRS, CompuServe and Systems Development Corporation (Orbit). For the address of search services in your state that can search these databases, contact the:

EQ Instructional Resources Center
1200 Chambers Road, Room 310
Columbus, Ohio 43212
(614) 292-6717

Most of the materials announced in RIE are available on microfiche (microfilm) at over 700 sites throughout the United States and the world. Users can view these materials on site at many locations to identify what they believe will be useful to them at no cost. Microfiche copies (or in most cases Xerox copies) can be ordered through the ERIC Document Reproduction Service. The address and order information is in the back of each issue of RIE. Xerox copies of many items related to water quality and resource education and training can also be ordered through the EQ Instructional Resources Center for $0.06 per page plus $1.00 per document.

For information about locations of ERIC microfiche sites in your state, contact the EQ Instructional Resources Center.

A number of journal articles processed for the IRIS (water) system are entered into the ERIC system and announced in Current Index to Journals in Education (CIJE).

Current Index to Journals in Education is published monthly and is available from:

ORYX Press
2214 North Central at Encanto
Phoenix, Arizona 85004
(602) 254-6156

Many libraries subscribe to CIJE. Materials announced in CIJE can be searched manually each month by scanning CIJE or by checking the index terms in the back of each issue. Materials announced in CIJE can be searched by computer also. Refer to the previous discussion of RIE concerning computer searches.

Materials announced in CIJE can be located in journals at many university libraries.

Many of the articles can be obtained from University Microfilms. For prices and further information write to:

UMI Article Reprint Department
300 North Zeeb Road
Ann Arbor, Michigan 48106
(800) 521-0600

II. How to Use the Compilation

A. Description of Information in Resumes

Each resume is listed by EW number in numerical order in the resume section. Two samples of resumes are provided to explain the data fields in the resumes. Sample resume #1 is a sample resume of an item not entered into ERIC. Sample resume #2 is a sample resume of an item entered into ERIC; a few additional data elements are in these resumes and are explained.

1. Sample resume of materials not entered in ERIC

a. IRIS NUMBER: EW006023
b. PUBLICATION DATE: FEB 81
c. TITLE: PROGRAMMED APPROACH TO WATER/MASS ANALYSES.
d. PERSONAL AUTHOR: SPENCE, GEORGE R., JR.
e. DESCRIPTOR: *DESIGN; *ENGINEERING; *EQUIPMENT; *MASS BALANCE; *PROJECT DESIGN; *POLLUTION ENGINEERING; *PIPES; *WATER RESOURCES

f. DESCRIPTIVE NOTE: 30-33P.
g. ABSTRACT: DURING THE ENGINEERING PHASE OF A PROJECT DESIGN, WATER REQUIREMENTS OFTEN CHANGE AS NEW INFORMATION BECOMES AVAILABLE. THIS ARTICLE DETAILS A PROGRAMMED APPROACH TO CALCULATION OF A WATER/MASS BALANCE WHICH PROVIDES THE USER WITH THE ABILITY TO READILY ASSESS THE IMPACT OF VARYING WATER QUALITIES, FLOW PATTERNS, AND FLOW RATES. THIS INFORMATION IS THEN USED IN DETERMINING PIPE AND EQUIPMENT SIZES.

h. AVAILABILITY: POLLUTION ENGINEERING; V13 N2

a. IRIS NUMBER -- this is the identification number sequentially assigned to materials as they are processed. Gaps in numbers mean that some items have been deleted, are being processed to add new information, or have been delayed in processing for some reason.

b. PUBLICATION DATE -- date material was published according to information on the material.

c. TITLE

d. PERSONAL AUTHOR -- person or persons who wrote, compiled, or edited the material. Up to two personal authors can be listed.

e. DESCRIPTOR -- subject terms which characterize substantive contents and form of the materials. The major terms are preceeded by an asterisk. Terms used to index all resumes in this compilation can be reviewed in the Subject Index.

f. DESCRIPTIVE NOTE -- various items of information may be contained in this section. For print materials the number of pages is usually listed. The price of the material quoted is the last time information was received from the source. Please note: Prices of nearly all materials are subject to changes and may not be accurate at the time a person orders a specific item.

g. ABSTRACT -- some early materials entered into IRIS did not have abstract information. All materials currently being entered into IRIS have an informative abstract that describes the contents of the item.

h. AVAILABILITY -- information in this field indicates where the material can be obtained.

2. Sample resume of material entered into ERIC (Resources in Education).

Items entered into ERIC (Resources in Education) will have a few additional data fields. See letter references "a" and "b" below.

IRIS ACCESSION NUMBER: EW006664
PUBLICATION DATE: 80
TITLE: RESOURCE DEVELOPMENT OF WATERSHED LANDS: A SIX WEEK SHORT COURSE.
DESCRIPTOR: ADMINISTRATION; ECOLOGICAL FACTORS; ECONOMIC FACTORS; INSTRUCTIONAL MATERIALS; *LAND USE; NATURAL RESOURCES; *POST SECONDARY EDUCATION; *TECHNICAL EDUCATION; *WATER RESOURCES; HYDROLOGY; NATURAL RESOURCES MANAGEMENT; WATER QUALITY; *WATERSHEDS

b. DESCRIPTIVE NOTE: EDRS PRICE: MF01 PLUS POSTAGE-NOT AVAILABLE IN HARD COPY DUE TO MARGINAL LEGIBILITY OF ORIGINAL DOCUMENT.

ABSTRACT: THIS COURSE WAS DESIGNED TO PROVIDE THE WATER RESOURCE TECHNICIAN OR MANAGER WITH INFORMATION WHICH WILL AID IN THE IMPLEMENTATION OF IMPROVEMENTS OF PRESENT LAND USE PRACTICES AND TO ILLUSTRATE ALTERNATIVE CONCEPTS AND TECHNIQUES IN LAND AND WATER USE FOR INCREASING AND IMPROVING THE MULTIPLE PRODUCTS OF WATERSHED LANDS. (ED 197 941)

a. AVAILABILITY: ERIC DOCUMENT REPRODUCTION SERVICE, 3900 Wheeler Avenue, Alexandria, VA 22304

a. ERIC NUMBER -- the ED number indicates the document has been processed and entered into Resources in Education. This identification number is the number to use when ordering a document or when requesting information about a document.

b. EDRS PRICE -- if material is available through the ERIC Document Reproduction Service, the price of the material when it was entered into the ERIC system and the form of the material is indicated. "MF" means microfiche; "HC" means Xerox copy. Prices are subject to change. Current prices of microfiche and paper copies are listed in the back of each issue of Resources in Education; consult the latest monthly issue for current prices. Information about ordering items can be obtained by contacting:

ERIC Document Reproduction Service (EDRS)
3900 Wheeler Avenue
Alexandria, VA 22304
(800) 227-3742

Items that are available on microfiche (MF) are contained in microfiche collections at over 700 sites where they can be read. For information on the microfiche locations in your state contact the EQ Instructional Resources Center.

B. How to Locate Desired Materials

Users can identify materials of interest by scanning the resume listings, or using the Subject Index or Author Index.

1. Subject Index

The Subject Index is designed to enable the user to search for information on either a broad subject or a narrow information concern. An EW number is included for each item listed under the subject heading. The EW number refers to the abstract entry in the resume section where complete bibliographic information, an abstract of the item, and availability information can be found.

A user can also coordinate a search by checking EW numbers that appear under two or more subject headings. For example, you could check all the EW numbers under Water Treatment and all the EW numbers under Films. EW numbers included under both subject headings would include information relevant to Water Treatment that were films. EW numbers under wastewater treatment and laboratory techniques would provide a list of materials related to Laboratory Techniques and to Wastewater Treatment. Similar techniques could be used to identify other information desired.

Users with ERIC microfiche should check the resume entry. If the document is available on microfiche from the ERIC Document Reproduction Service, the availability will be indicated by "MF" on the resume by "EDRS Price." This means libraries with ERIC microfiche collections should have the document on microfiche.

If you want a document available through the ERIC Document Reproduction Service (EDRS) see the section on ordering documents.

2. Author Index

If you desire to locate a document by the name of the author, you can use the Author Index. EW numbers are provided under the author in the Author Index as in the Subject Index. Some documents do not have a listed author; hence, they are not listed in this index.

III. Correcting an Existing IRIS Record

The IRIS data base will be updated on a quarterly basis. Corrections will be made to the data base at those times. You can help improve IRIS by sending corrections for items you find to be in error.

We request that you duplicate (copy) the resume from the compilation, mark the information you believe to be wrong (or incomplete), and send the marked resume to:

EQ Instructional Resources Center
1200 Chambers Road, Room 310
Columbus, Ohio 43212
(614) 292-6717

Corrections of errors will occur in the IRIS tapes at the next update after comments are received.

If you have difficulty obtaining materials from the listed source in the AVAILABILITY section of the resume, please let us know. We will contact the sources to verify whether the materials are available, but your assistance will provide corrections between annual availability checks.

If you are the supplier of materials in IRIS, please let us know if you remove a product from your list, modify a product on your list, or change the price of the product.

IV. Requests to Receive Information about IRIS and the IRC Bulletin

Information regarding IRIS, materials in IRIS, and modifications in the system will be announced in the IRC Bulletin. The Bulletin is issued about four times a year as information is available.

If you are not on the mailing list write to the EO Instructional Resources Center for subscription information.

If you need information about IRIS you can also phone (614) 292-6717 with your questions.

V. Requests for Assistance in Using IRIS

If you need help in using the IRIS manuals, phone (614) 292-6717 or write to the EO Instructional Resources Center. Staff are normally available from about 8:30 a.m. to 4:30 p.m. Eastern time to answer your questions.

VI. How to Locate Other Relevant Educational Materials

A number of people have requested information related to such areas as management, basic skills (reading, mathematics, writing) human relations, contract negotiations, and other topics. The EQ Instructional Resources Center has developed or obtained some materials in these areas.

Another excellent source of information for many educational concerns is the ERIC System.

ERIC is a national information system designed and developed by the U.S. Office of Education, and now supported and operated by the National Institute of Education (NIE), for providing ready access to descriptions of exemplary programs, research and development efforts, and related information that can be used in developing more effective educational programs.

There are 16 Clearinghouses in the nationwide ERIC network. Each specializes in a different, multi-discipline, educational area. Each searches out pertinent documents.

The ERIC Clearinghouses have responsibility within the network for acquiring the significant educational literature within their particular areas, selecting the highest quality and most relevant material, processing (i.e., cataloging, indexing, abstracting) the selected items for input to the data base, and also for providing information analysis products and various user services based on the data base.

The 16 ERIC Clearinghouses are listed on the next few pages, together with addresses, telephone numbers, and brief scope notes describing the areas they cover. You can contact them for assistance in locating information relevant to their scope notes.

A. ERIC Clearinghouse on Adult, Career, and Vocational Education
The Ohio State University
National Center for Research in Vocational Education
1960 Kenny Road
Columbus, Ohio 43210
Telephone: (614) 486-3655

Career education, formal and informal at all levels, encompassing attitudes, self-knowledge, decision-making skills, general and occupational knowledge, and specific vocational and occupational skills; adult and continuing education, formal and informal, relating to occupational, family, leisure, citizen, organizational, and retirement roles; vocational and technical education, including new sub-professional fields, industrial arts, and vocational rehabilitation for the handicapped.

B. ERIC Clearinghouse on Counseling and Personnel Services
University of Michigan
School of Education, Room 2108
Ann Arbor, Michigan 48109
Telephone: (313) 764-9492

Preparation, practice, and supervision of counselors at all educational levels and in all settings, theoretical development of counseling and guidance, use and results of personnel procedures such as testing, interviewing, disseminating, and analyzing such information, group work and case work; nature of pupil, student, and adult characteristics; personnel workers and their relation to career planning, family consultations, and student orientation activities.

C. ERIC Clearinghouse on Elementary and Early Childhood Education
University of Illinois
College of Education
805 West Pennsylvania Avenue
Urbana, Illinois 61801
Telephone: (217) 333-1386

Prenatal factors, parental behavior; the physical, psychological, social, educational, and cultural development of children from birth through the primary grades; educational theory, research and practice related to the development of young children.

D. ERIC Clearinghouse on Educational Management
University of Oregon
Library, Room 108
1787 Agate Street
Eugene, Oregon 97403
Telephone: (503) 686-5043

Leadership, management, and structure of public and private educational organizations; practice and theory of administration; preservice and inservice preparation of administrators, tasks and processes of administration, methods and varieties of organization, organizational change, and social context of the organization.

Sites, buildings, and equipment for education; planning, financing, constructing, renovating, equipping, maintaining, operating, insuring, utilizing, and evaluating educational facilities.

E. ERIC Clearinghouse on Handicapped and Gifted Children
Council for Exceptional Children
1920 Association Drive
Reston, Virginia 22091
Telephone: (703) 620-3660

Aurally handicapped, visually handicapped, mentally handicapped, physically handicapped, emotionally disturbed, speech handicapped, learning disabilities, and the gifted; behavioral, psychomotor, and communication disorders, administration of special education services; preparation and continuing education of professional and paraprofessional personnel; preschool learning and development of the exceptional; general studies on creativity.

F. ERIC Clearinghouse on Higher Education
George Washington University
One Dupont Circle, NW, Suite 630
Washington, DC 20036
Telephone: (202) 296-2597

Various subjects relating to college and university students, college and university conditions and problems, college and university programs; curricular and instructional problems and programs, faculty, institutional research; federal programs, professional education (medical, law, etc.), graduate education, university extension programs, teaching-learning, planning, governance, finance, evaluation, interinstitutional arrangements, and management of higher educational institutions.

G. ERIC Clearinghouse on Information Resources
Syracuse University
School of Education
Huntington Hall, Room 030
150 Marshall Street
Syracuse, New York 13210
Telephone: (315) 423-3640

Management, operation, and use of libraries; the technology to improve their operation and the education, training, and professional activities of librarians and information specialists. Educational techniques involved in microteaching, systems analysis, and programmed instruction employing audiovisual teaching aids and technology, such as television, radio, computers, and cable television, communication satellites, microforms, and public television.

H. ERIC Clearinghouse for Junior Colleges
University of California at Los Angeles (UCLA)
Mathematical Sciences Building, Room 8118
405 Hilgard Avenue
Los Angeles, California 90024
Telephone: (213) 825-3931

Development, administration, and evaluation of public and private community junior colleges. Junior college students, staff, curricula, programs, libraries, and community services.

I. ERIC Clearinghouse on Languages and Linguistics
Center for Applied Linguistics
1118 "22nd" Street, NW
Washington, DC 20037
Telephone: (202) 429-9551

Languages and linguistics. Instructional methodology, psychology of language learning, cultural and intercultural content, application of linguistics, curricular problems and developments, teacher training and qualifications, language sciences, psycholinguistics, theoretical and applied linguistics, language pedagogy, bilingualism, and commonly taught languages including English and speakers of other languages.

J. ERIC Clearinghouse on Reading and Communication Skills
National Council of Teacher of English
1111 Kenyon Road
Urbana, Illinois 61801
Telephone: (217) 328-3870

Reading, English, and communication skills, preschool through college. Educational research and development in reading, writing, speaking, and listening. Identification, diagnosis, and remediation of reading problems. Speech communication--forensics, mass communication, interpersonal and small group interaction, interpretation, rhetorical and communication theory, instruction development, speech sciences, and theater. Preparation of instructional staff and related personnel in these areas.

All aspects of reading behavior with emphasis on physiology, psychology, sociology, and teaching. Instructional materials, curricula, tests and measurement, preparation of reading teachers and specialists, and methodology at all levels. Role of libraries and other agencies in fostering and guiding reading. Diagnostic and remedial services in school and clinical settings.

K. ERIC Clearinghouse on Rural Education and Small Schools
New Mexico State University
Box 3AP
Las Cruces, New Mexico 88003
Telephone: (505) 646-2623

Education of Indian Americans, Mexican Americans, Spanish Americans, and migratory farm workers and their children; outdoor education; economic, cultural, social, or other factors related to educational programs in rural areas and small schools; disadvantaged of rural and small school populations.

L. ERIC Clearinghouse for Science, Mathematics and Environmental Education
The Ohio State University
1200 Chambers Road - Room 310
Columbus, Ohio 43212
Telephone: (614) 292-6717

All levels of science, mathematics, and environmental education; development of curriculum and instructional materials; media applications; impact of interest, intelligence, values, and concept development upon learning; preservice and inservice teacher education and supervision.

M. ERIC Clearinghouse for Social Studies/Social Science Education
Indiana University
Social Studies Development Center
2805 East 10th St.
Bloomington, IN 47405
Telephone: (812) 335-3838

All levels of social studies and social science; all activities relating to teachers; content of disciplines; applications of learning theory, curriculum theory, child development theory, and instructional theory; research and development programs; special needs of student groups; education as a social science; social studies/social science and the community.

N. ERIC Clearinghouse on Teacher Education
American Association of Colleges for Teacher Education (AACTE)
One Dupont Circle, NW, Suite 610
Washington, DC 20036
Telephone: (202) 293-2450

School personnel at all levels, all issues from selection through preservice and inservice preparation and training to retirement; curricula, educational theory and philosophy; general education not specifically covered by Educational Management Clearinghouse; Title XI NDEA Institutes not covered by subject speciality in other ERIC Clearinghouses; all aspects of physical education.

O. ERIC Clearinghouse on Tests, Measurement, and Evaluation
Educational Testing Service (ETS)
Rosedale Road
Princeton, New Jersey 08541
Telephone: (609) 734-5176

Tests and other measurement devices; evaluation procedures and techniques; application of tests, measurement, or evaluation in educational projects of programs.

P. ERIC Clearinghouse on Urban Education
Teachers College, Columbia University
Institute for Urban and Minority Education
Box 40
525 West 120th Street
New York, New York 10027
Telephone: (212) 678-3433

The relationship between urban life and schooling; the effect of urban experiences and environments from birth onward; the academic, intellectual, and social performance of urban children and youth from grade three through college entrance (including the effect of self concept, motivation, and other affective influences), education of urban, Puerto Rican and Asian American populations, and rural and urban black populations; programs and practices which provide learning experiences designed to meet the special needs of diverse populations served by urban schools and which build upon their unique as well as their common characteristics, structural changes in the classroom, school, school system, and community and innovative instructional practices which directly affect urban children and youth; programs, practices, and materials related to economic and ethnic discrimination, segregation, desegregation, and integration in education; issues, programs, practices, and materials related to redressing the curriculum imbalance in the treatment of ethnic minority groups.

Q. Educational Resources Information Center
Office of Educational Research and Improvement (OERI)
555 New Jersey, Ave. NW
Room 522
Washington, DC 20208
Telephone: (202) 626-9240

There are other sources of educational information in many states. Included are information dissemination units in the state departments of education, intermediate education units, and local education units. In many cases, a local school administrator or school librarian can help you locate assistance.

VII. How to Order Materials

The AVAILABILITY field in the resume indicates where materials can be obtained. A few of the sources are explained.

A. A number of audiovisual materials can be obtained on a rental basis or purchased from the EQ Instructional Resources Center. Most items previously available from the NTOTC office are available from the EQ Instructional Resources Center at The Ohio State University. For further information write or call.

B. Some of the materials are available through the ERIC Document Reproduction Service. MF (microfiche) are 4" x 6" sheets of microfilm; up to 96 pages of text can be reproduced on one sheet. HC (paper copy) is a reproduction of the document in paper form at the original size.

Order forms for these materials can be obtained from:

ERIC Document Reproduction Service
3900 Wheeler Avenue
Alexandria, VA 22304
(800) 227-3742

C. The EQ Instructional resources Center will provide Xerox copies of materials that are not copyrighted for $1.00 per document plus $0.06 per page.

If you can not obtain materials that are listed or have difficulty obtaining materials, please contact the EQ Instructional Resources Center. We can provide assistance in obtaining materials from some sources. If materials become unavailable, we will remove them from the IRIS data base.

RESUME SECTION

IRIS ACCESSION NUMBER: EW013108
PUBLICATION DATE: SEP 80

TITLE: CONTROL OF THE OCCUPATIONAL ENVIRONMENT. INSTRUCTOR'S MANUAL.

DESCRIPTOR: *ENVIRONMENT; *INDUSTRY; *MANUALS; *NOISE; *OCCUPATIONAL ENVIRONMENT; *RADIATION; *TEACHNIG GUIDES; *TRAINING; *TEMPERATURE

DESCRIPTIVE NOTE: 77P. PRICE CODE: PC A05/MF A01. ORDER NO.: PB85-241545/WEP

ABSTRACT: THE INSTRUCTOR'S MANUAL FOR THE COURSE, CONTROL OF THE OCCUPATIONAL ENVIRONMENT, IS PRESENTED. THE MANUAL WAS PREPARED FOR THE DIVISION OF TRAINING AND MANPOWER DEVELOPMENT, NIOSH. THE COURSE CONSISTS OF FIVE LESSONS. THE FIRST LESSON PRESENTS THE GENERAL CONCEPTS OF HAZARD CONTROL IN THE INDUSTRIAL ENVIRONMENT. THE SECOND LESSON COVERS AIRBORNE CONTAMINANTS AND HOW THEY AFFECT CONTROL MEASURES. LESSON 3 DEALS WITH RADIATION CONTROL. TECHNIQUES AND CONSIDERATIONS FOR CONTROLLING WORKPLACE EXPOSURE TO RADIATION ARE EXAMINED. THE FOURTH LESSON DISCUSSES THE CONTROL OF THERMAL STRESS. CONSIDERATIONS AND TECHNIQUES FOR CONTROLLING OCCUPATIONAL EXPOSURES TO HEAT AND COLD ARE DISCUSSED. THE FIFTH LESSON CONSIDERS NOISE CONTROL. THE PRINCIPLES OF NOISE REDUCTION BY ELIMINATION, MODIFICATION, AND SUBSTITUTION ARE DISCUSSED. TECHNIQUES OF NOISE PATH CONTROL BY ALTERATION, ENCLOSURE, AND ISOLATION ARE EXAMINED. COMMENTS ON THE PURPOSE, OBJECTIVES, TERMINOLOGY, AND SUGGESTED MATERIALS ARE PROVIDED FOR EACH LESSON AS A GUIDE TO THE TEACHER.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013109

PUBLICATION DATE: FEB 85

TITLE: HAZARDOUS WASTE MANAGEMENT PLAN TECHNICAL SUPPORT DOCUMENT.

DESCRIPTOR: *HAZARDOUS WASTES; *MANAGEMENT; *LEGISLATION; *TECHNICAL SUPPORT; *TECHNOLOGY

DESCRIPTIVE NOTE: 200P. PRICE CODE: PC A09/MF A01. ORDER NO.: PB85-234557/WEP

ABSTRACT: INCLUDED IN THIS PUBLICATION ARE THE FOLLOWING SECTIONS: EXECUTIVE ORDER; FEDERAL AND STATE LAWS; SUPERFUND SITES; BIENNIAL REPORT FORMS; HAZARDOUS WASTE TYPES; WASTES BY COUNTY; SMALL GENERATOR DATA; FUTURE PROJECTIONS; MANAGEMENT TECHNOLOGY COSTS; FACILITY DESCRIPTION AND COSTS; MANAGEMENT TECHNOLOGIES; ON-SITE WASTE REDUCTION; POTENTIAL PROBLEMS; AVAILABILITY OF OFF-SITE MARKETS, AND HOUSEHOLD HAZARDOUS WASTE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013110
PUBLICATION DATE: DEC 84

TITLE: BENEFITS OF ENVIRONMENTAL AUDITING: CASE EXAMPLES.

DESCRIPTOR: *CASE HISTORIES; *ENVIRONMENTAL AUDITS; *ENVIRONMENT; *MANAGEMENT

DESCRIPTIVE NOTE: 34P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB85-239531/WEP

ABSTRACT: THIS REPORT DOCUMENTS THE BENEFITS OF ENVIRONMENTAL AUDITING AS DESCRIBED BY MANAGERS RESPONSIBLE FOR THEIR ORGANIZATIONS' ENVIRONMENTAL AUDIT PROGRAM. IN SOME CASES, THE EXAMPLES ILLUSTRATE ACTUAL BENEFITS DERIVED FROM INDIVIDUAL AUDITS, WHILE IN OTHER CASES THE BENEFITS RESULT FROM HAVING CONDUCTED A NUMBER OF AUDITS OVER A PERIOD OF TIME. IT PROVIDES INSIGHTS INTO HOW ENVIRONMENTAL AUDITORS CONDUCT THEIR FIELD WORK, WHAT TYPE OF SITUATIONS THEY ARE LIKELY TO UNCOVER, AND HOW FACILITY LEVEL ENVIRONMENTAL MANAGEMENT CAN IMPROVE AS A RESULT OF AN AUDIT.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013111

PUBLICATION DATE: AUG 83

TITLE: BENEFITS TO INDUSTRY OF ENVIRONMENTAL AUDITING.

DESCRIPTOR: *ENVIRONMENTAL AUDITS; *ENVIRONMENT; *INDUSTRY; *MANAGEMENT

DESCRIPTIVE NOTE: 21P. PRICE CODE: PC A02/MF A01. ORDER NO.: PB85-240422/WEP

ABSTRACT: THE REPORT IDENTIFIES PRINCIPAL OBJECTIVES OF ENVIRONMENTAL AUDITING PROGRAMS AND ANALYZES EXPECTED BENEFITS TO FIRMS ADOPTING ENVIRONMENTAL AUDITING. BENEFITS ARE CATEGORIZED IN TERMS OF TWO MAIN EFFECTS: (1) INCREASED MANAGEMENT EFFECTIVENESS; AND (2) INCREASED MANAGEMENT COMFORT OR SECURITY THAT THE COMPANY IS MEETING ITS LEGAL, CORPORATE AND ETHICAL REQUIREMENTS. MEASURES TO EVALUATE THOSE EFFECTS ARE IDENTIFIED.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013112

PUBLICATION DATE: NOV 83

TITLE: CAN YOU TRUST YOUR ENVIRONMENTAL AUDITING PROGRAM. ORGANIZATIONAL ISSUES IN ESTABLISHING AND IMPROVING ENVIRONMENTAL AUDITING PROG

PERSONAL AUTHOR: MARCUS, A. A.; NADEL, M. V.

DESCRIPTOR: *ENVIRONMENTAL AUDITS; *ENVIRONMENT; *MANAGEMENT; *ORGANIZATION; *PROGRAM EVALUATION

DESCRIPTIVE NOTE: 16P. PRICE CODE: PC A02/MF A01. ORDER NO.: PB85-240166/WEP

ABSTRACT: THE REPORT DISCUSSES ORGANIZATIONAL ISSUES AFFECTING ENVIRONMENTAL AUDITING AND WHETHER MANAGERS CAN HAVE FAITH IN THE CAPABILITY AND INTEGRITY OF THEIR AUDITING PROGRAMS. IT SUGGESTS FACTORS MANAGERS MAY TAKE INTO ACCOUNT WHEN ESTABLISHING OR UPGRADING AUDIT PROGRAMS. BECAUSE SO MANY VARIABLES EXIST WITHIN A FIRM REGARDING AUDIT SYSTEMS, MANAGERS SHOULD TAKE A POSITION ALLOWING THEM TO EVALUATE EVOLVING PROGRAMS AND MAKE CORRECTIONS WHEN APPROPRIATE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013113

PUBLICATION DATE: NOV 85

TITLE: SLUDGE DEWATERING: SEWAGE TREATMENT. 1970-NOVEMBER 1985 (CITATIONS FROM THE ENGINEERING INDEX DATA BASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *DEWATERING; *EQUIPMENT; *SLUDGE; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 152P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB85-872349/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING DEWATERING TECHNIQUES AND EQUIPMENT IN SWEAGE TREATMENT. SEWAGE SLUDGE DEWATERING DESIGN, DEVELOPMENT, AND EVALUATION ARE DISCUSSED. ESSENTIAL TYPES OF DEWATERING EQUIPMENT SUCH AS CENTRIFUGES, FILTERS, PRESSES, AND DRUMS ARE CONSIDERED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 229 CITATIONS, 32 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013114

PUBLICATION DATE: MAY 85

TITLE: METHODS MANUAL FOR BOTTOM SEDIMENT SAMPLE COLLECTION.

PERSONAL AUTHOR: PALMER, M.

DESCRIPTOR: *MANUALS; *METHODS; *PROCEDURES; SAMPLING; *SEDIMENTS; *SEDIMENT SAMPLING

DESCRIPTIVE NOTE: 52P. PRICE CODE: PC A04/MF A01. ORDER NO.: PB86-107414/WEP

ABSTRACT: THIS MANUAL PRESENTS DETAILED PROCEDURES FOR SURVEY PLANNING, SAMPLE COLLECTION, DOCUMENT PREPARATION AND QUALITY ASSURANCE FOR SEDIMENT SAMPLING SURVEYS CONDUCTED BY THE GREAT LAKES NATIONAL PROGRAM OFFICE. THE DATA BASE WILL BE UTILIZED TO INSTITUTE A REMEDIAL ACTION PROGRAM IN ACCORDANCE WITH USEPA POLICIES AND PROCEDURES GUIDELINES.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013115

PUBLICATION DATE: JUN 85

TITLE: EPA (ENVIRONMENTAL PROTECTION AGENCY) GUIDE FOR MINIMIZING THE ADVERSE ENVIRONMENTAL EFFECTS OF CLEANUP OF UNCONTROLLED HAZARDOUS W

DESCRIPTOR: *ENVIRONMENTAL EFFECTS; *ENVIRONMENT; *CLEANUP; CONTAMINATION; *HAZARDOUS WASTES; MANAGEMENT; *SITE CLEANUP; TRAINING; WASTE DISPOSAL

DESCRIPTIVE NOTE: 144P. PRICE CODE: PC A07/MF A01. ORDER NO.: PB86-110269/WEP

ABSTRACT: THE GUIDE SUPPLIES INFORMATION AND SOURCES THAT AN OFFICIAL NEEDS TO EVALUATE HOW TO PROCEED AT A CONTAMINATED SITE. THE DOCUMENT ALSO CAN BE USED BY MANAGEMENT TO ASSIST AND OVERVIEW STAFF CLEANUP ACTIVITIES. ADDITIONALLY, IT IS A TRAINING TOOL FOR PERSONS WHO ARE NEW TO THE BUSINESS OF CLEANING UP HAZARDOUS-WASTE SITES. FINALLY, IT IS A RESOURCE FOR ANYONE WHO WISHES TO KNOW MORE ABOUT THE CLEANUP OF HAZARDOUS WASTE SITES.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013116

PUBLICATION DATE: 83

TITLE: SEMINAR ON APPROPRIATE TECHNOLOGY FOR WATER SUPPLY SANITATION IN DEVELOPING COUNTRIES.

PERSONAL AUTHOR: OLSSON, E.

DESCRIPTOR: *APPROPRIATE TECHNOLOGY; *DEVELOPING COUNTRIES; *COSTS; *SANITATION; *WASTE DISPOSAL; *WATER SUPPLY; *WASTE TREATMENT; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 114P. PRICE CODE: PC E05/MF E01. ORDER NO.: PB86-113891/WEP

ABSTRACT: THIS PUBLICATION CONTAINS THE FOLLOWING SECTIONS: TECHNICAL AND PUBLIC HEALTH ASPECTS OF LOW COST SANITATION PROGRAM PLANNING; LOW COST WATER-SEAL LATRINE PROGRAM IN URBAN COMMUNITIES OF INDIA; WATER SUPPLY AND SANITATION IN SWEDISH-SUPPORTED COOPERATION PROGRAMS; STUDY AND DEVELOPMENT OF HYDRAULIC - SANITATION DEVICES FOR LOW-INCOME SETTLEMENTS; WATER SUPPLY AND SANITATION - RESEARCH - ACTIVITY IN ROORKEE, INDIA; LOW COST SANITATION - A STATE OF THE ART REVIEW; LOW COST SANITATION IN BOTSWANA; THE PROBLEMS OF WATER CONSERVATION, AND LOW VOLUME WATER CLOSET

SYSTEMS AND APPLIED INVESTIGATIONS INTO LATRINE EMPTYING - A COLLABORATION DEVELOPMENT PROGRAM WITH WORLD BANK.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013117

PUBLICATION DATE: SEP 85

TITLE: BENEFICIAL RACLAMATION OF URBAN STORM RUNOFF FOR SUBPOTABLE USAGE.

PERSONAL AUTHOR: FIELD, R.; FAN, C. Y.

DESCRIPTOR: *RECLAMATION; *SURFACE RUNOFF; *URBAN AREAS; *WATER RESOURCES; *WATER SUPPLY

DESCRIPTIVE NOTE: 34P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-114782/WEP

ABSTRACT: AS POPULATION AND INDUSTRY GROW, WATER DEMAND INCREASES, AND WATER SUPPLY BECOMES MORE OF A PROBLEM. IT HAS BEEN ESTIMATED THAT THE TOTAL GROSS WATER INTAKE FOR ALL PURPOSES IN THE UNITED STATES WILL EXCEED THE TOTAL AVAILABLE WATER SUPPLY OF 650 BILLION GAL/DAY (2.5 BILLION M3/DAY) BY THE YEAR 2000. THEREFORE, RECLAMATION OF MUNICIPAL WASTEWATER FOR INDUSTRY, NONPOTABLE DOMESTIC USAGES, AND GROUNDWATER RECHARGE WILL BECOME A MORE SIGNIFICANT MEANS OF AUGMENTING WATER SUPPLY.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013118

PUBLICATION DATE: JUL 85

TITLE: METHODS FOR ASSESSING EXPOSURE TO CHEMICAL SUBSTANCES. VOLUME 3. METHODS FOR ASSESSING EXPOSURE FROM DISPOSAL OF CHEMICAL SUBSTAN

PERSONAL AUTHOR: ADKINS, L. C.; AND OTHERS

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *ASSESSMENT; *CHEMICALS; *EXPOSURE; *PUBLIC HEALTH; *POLLUTION CONTROL; *WASTE DISPOSAL

DESCRIPTIVE NOTE: 393P. PRICE CODE: PC A17/MF A01. ORDER NO.: PB86-107059/WEP

ABSTRACT: THE REPORT, WHICH IS PART OF A SERIES OF VOLUMES ON EXPOSURE ASSESSMENT, PRESENTS METHODS FOR ESTIMATING ENVIRONMENTAL RELEASES OF CHEMICAL SUBSTANCES FROM DISPOSAL SITES. THESE RELEASE ESTIMATES MUST BE USED IN CONJUCTION WITH PROCEDURES GIVEN IN VOLUME 2 (AMBIENT EXPOSURE CATEGORY) AND VOLUME 5 (DRINKING WATER EXPOSURE CATEGORY) IN ORDER TO COMPLETE THE EXPOSURE ASSESSMENT. A FIVE-STAGE METHODOLOGICAL FRAMEWORK OUTLINES THE MAJOR STEPS THAT MUST BE TAKEN IN ORDER TO ESTIMATE RELEASES FROM DISPOSAL BY LANDFILLING, LAND TREATMENT, SURFACE IMPOUNDMENT, MUNICIPAL WASTEWATER TREATMENT, INCINERATION, AND DEEP-WELL INJECTION. THE METHODS ARE APPLICABLE TO CHEMICAL SUBSTANCES IN ALL OF THE FOLLOWING WASTE CATEGORIES: MUNICIPAL SOLID WASTE, INDUSTRIAL SOLID WASTE (HAZARDOUS AND NONHAZARDOUS), MUNICIPAL WASTEWATER, WASTEWATER TREATMENT SLUDGES, AND INCINERATOR RESIDUES. THE REPORT PROVIDES GUIDANCE ON INFORMATION RESOURCES USEFUL IN COMPLETING EACH STEP AND ALSO DISCUSSES DATA GAPS AND LIMITATIONS IN PREDICTIVE CAPABILITY. SAMPLE DATA AND SUMMARIES OF INFORMATION RESOURCES ARE INCLUDED IN APPENDICES.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013119

PUBLICATION DATE: JUL 85

TITLE: METHODS FOR ASSESSING EXPOSURE TO CHEMICAL SUBSTANCES. VOLUME 1. INTRODUCTION.

PERSONAL AUTHOR: CALLAHAN, M. A.; AND OTHERS

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *ASSESSMENT; *CHEMICALS; *EXPOSURE; *POLLUTION CONTROL; *MONITORING; *PUBLIC HEALTH

DESCRIPTIVE NOTE: 103P. PRICE CODE: PC A06/MF A01. ORDER NO.: PB86-107083/WEP

ABSTRACT: THE DOCUMENT IS THE FIRST IN A SERIES OF VOLUMES DEVELOPED FOR THE U.S. ENVIRONMENTAL PROTECTION AGENCY, OFFICE OF TOXIC SUBSTANCES TO ASSIST IN THE ASSESSMENT OF EXPOSURE TO CHEMICAL SUBSTANCES. THIS INTRODUCTORY VOLUME DISCUSSES ISSUES OF GENERAL INTEREST IN ALL EXPOSURE ASSESSMENTS, INCLUDING A DISCUSSION ON PLANNING AND ASSESSMENT, AND SUMMARIZES THE CONTENTS OF THE NEXT EIGHT VOLUMES. PLANNING AN EXPOSURE ASSESSMENT IS A FUNCTION OF THE PURPOSE, SCOPE, DEPTH, AND APPROACH OF THE ASSESSMENT. THE REPORT PRESENTS A LIST OF QUESTIONS THAT, WHEN ANSWERED, AID THE ASSESSOR IN DETERMINING THE RESOURCES AND TOOLS NEEDED TO DO THE ASSESSMENT. THE ORGANIZATION OF AN EXPOSURE ASSESSMENT IS DISCUSSED, AND A BASIC OUTLINE THAT CAN BE USED IS PROVIDED. THE CONTENT OF MAJOR SECTIONS IN AN EXPOSURE ASSESSMENT ARE DISCUSSED: GENERAL INFORMATION, SOURCES, EXPOSURE PATHWAYS AND ENVIRONMENTAL FATE, MONITORING OR ESTIMATED CONCENTRATIONS, EXPOSED POPULATIONS, AND THE INTEGRATED EXPOSURE ANALYSIS. AN OVERVIEW OF EXPOSURE ASSESSMENTS IN DIFFERENT SETTINGS IS PRESENTED. DIFFERENT TYPES OF ASSESSMENTS (SCREENING LEVEL, INTERMEDIATE LEVEL, DETAILED, AND SPECIAL ASSESSMENTS) ARE DESCRIBED.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013120
PUBLICATION DATE: MAR 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR ALDICARB (FINAL DRAFT).

PERSONAL AUTHOR: RISHER, J. F.

DESCRIPTOR: *ALDICARB; *DRINKING WATER; *HEALTH; *PUBLIC HEALTH; *RISK ASSESSMENT

DESCRIPTIVE NOTE: 139P. PRICE CODE: PC A07/MF A01. ORDER NO.: PB86-117751/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODM), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON ALDICARB. THIS CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF ALDICARB; TOXICOKINETICS AND HUMAN EXPOSURE TO ALDICARB; HEALTH EFFECTS OF ALDICARB IN HUMANS AND ANIMALS; MECHANISMS OF TOXICITY OF ALDICARB; AND QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF ALDICARB.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013121

PUBLICATION DATE: JUN 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR CHLOROBENZENE (DRAFT).

DESCRIPTOR: *CHLOROBENZENE; *DRINKING WATER; *HEALTH; *PUBLIC HEALTH; *RISK ASSESSMENT

DESCRIPTIVE NOTE: 94P. PRICE CODE: PC A05/MF A01. ORDER NO.: PB86-117769/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON CHLOROBENZENE. THIS CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF CHLOROBENZENE; TOXICOKINETICS AND HUMAN EXPOSURE TO CHLOROBENZENE; HEALTH EFFECTS OF CHOROBENZENE IN HUMANS AND ANIMALS; MECHANISMS OF TOXICITY OF CHLOROBENZENE; AND QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF CHLOROBENZENE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013122

PUBLICATION DATE: DEC 84

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR DICHLOROETHYLENES (1, 1-DICHLOROETHYLENE, CIS-1, 2-DICHLOROETHYLENE, AND TRANS-1, 2-DICHLOROET

PERSONAL AUTHOR: GUENGERICH, P. F.; AND OTHERS
DESCRIPTOR: *DICHLOROETHYLENES; *DRINKING WATER; *HEALTH; *PUBLIC HEALTH; *RISK ASSESSMENT

DESCRIPTIVE NOTE: 167P. PRICE CODE: PC A08/MF A01. ORDER NO.: PB86-117785/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON DICHLOROETHYLENES. THIS CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF DICHLOROETHYLENES; TOXICOKINETICS AND HUMAN EXPOSURE TO DICHLOROETHYLENES; HEALTH EFFECTS OF DICHLOROETHYLENES IN HUMANS AND ANIMALS; MECHANISMS OF TOXICITY OF DICHLOROETHYLENES; AND QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF DICHLOROETHYLENES.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013123

PUBLICATION DATE: JAN 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR CYANIDES (FINAL DRAFT).

PERSONAL AUTHOR: BASU, D. K.; AND OTHERS

DESCRIPTOR: *CYANIDES; *DRINKING WATER; *HEALTH; *PUBLIC HEALTH; *RISK ASSESSMENT

DESCRIPTIVE NOTE: 147P. PRICE CODE: PC A07/MF A01. ORDER NO.: PB86-117793/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON CYANIDE. THIS CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF CYANIDES; TOXICOKINETICS AND HUMAN EXPOSURE TO CYANIDES; HEALTH EFFECTS OF CYANIDES IN HUMANS AND ANIMALS; MECHANISMS OF TOXICITY OF CYANIDES; AND QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF CYANIDES.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013124

PUBLICATION DATE: MAR 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR 2, 4-DICHLOROPHENOXYACETIC ACID (2, 4-D) (FINAL DRAFT).

PERSONAL AUTHOR: BOSCH, S. J.

DESCRIPTOR: *DRINKING WATER; *HEALTH; *PUBLIC HEALTH; *RISK ASSESSMENT; *2, 4-D

DESCRIPTIVE NOTE: 189P. PRICE CODE: PC A09/MF A01. ORDER NO.: PB86-117884/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON 2, 4-D. THIS CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF 2, 4-D; TOXICOKINETICS AND HUMAN EXPOSURE TO 2, 4-D; HEALTH EFFECTS OF 2, 4-D IN HUMANS AND ANIMALS; MECHANISMS OF TOXICITY OF 2, 4-D; AND QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF 2, 4-D.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013125

PUBLICATION DATE: DEC 84

TITLE: QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF ARSENIC (DRAFT).

PERSONAL AUTHOR: MARCUS, W. L.

DESCRIPTOR: *ARSENIC; *DRINKING WATER; *HEALTH; *PUBLIC HEALTH; *RISK ASSESSMENT; *TOXICOLOGY

DESCRIPTIVE NOTE: 68P. PRICE CODE: PC A04/MF A01. ORDER NO.: PB86-117892/WEP

ABSTRACT: THE CRITERIA AND STANDARDS DIVISION (CSD), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A SECTION ON THE TOXICOLOGICAL EFFECTS OF ARSENIC EXPOSURE THROUGH DRINKING WATER. THIS SECTION MAY BE READ WITH THE HEALTH ASSESSMENT DOCUMENT FOR INORGANIC ARSENIC PREPARED BY THE OFFICE OF HEALTH AND ENVIRONMENTAL ASSESSMENT (OHEA), U.S. EPA. THIS SECTION IS A REVIEW OF THE FOLLOWING TOPICS: ARSENIC METABOLISM; ARSENIC TOXICOLOGY; ARSENIC MUTAGENICITY AND CARCINOGENICITY; AND HUMAN HEALTH RISK ASSESSMENT FOR ARSENIC.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013126

PUBLICATION DATE: MAR 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR 2, 3, 7, 8-TETRACHLORODIBENZO-P-DIOXIN (FINAL DRAFT).

PERSONAL AUTHOR: BASU, D. K.; AND OTHERS

DESCRIPTOR: *DRINKING WATER; *HEALTH; *PUBLIC HEALTH; *RISK ASSESSMENT; *2, 3, 7, 8-TCDD

DESCRIPTIVE NOTE: 349P. PRICE CODE: PC A15/MF A01. ORDER NO.: PB86-117983/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON 2,3,7,8, TCDD. THIS CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF 2,3,7,8-TCDD; TOXICOKINETICS AND HUMAN EXPOSURE TO 2.3,7,8-TCDD; HEALTH EFFECTS OF 2,3,7,8-TCDD; HEALTH EFFECTS OF 2.3,7.8-TCDD IN HUMANS AND ANIMALS; MECHANISMS OF TOXICITY OF 2.3.7.8-TCDD; AND QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF 2.3.7.8-TCDD.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013127

PUBLICATION DATE: MAR 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR HEPTACHLOR, HEPTACHLOR EPOXIDE AND CHLORDANE (FINAL DRAFT).

PERSONAL AUTHOR: WILBUR, S. B.; AND OTHERS

DESCRIPTOR: *DRINKING WATER; *CHLORDANE; *HEALTH; *HEPTACHLOR; *PUBLIC HEALTH; *RISK ASSESSMENT

DESCRIPTIVE NOTE: 274P. PRICE CODE: PC A12/MF A01. ORDER NO.: PB86-117991/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (WH-550), U.S. ENVIRONMENTAL PROTECTION AGENCY (U.S. EPA) HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON CHLORDANE, HEPTACHLOR AND HEPTACHLOR EPOXIDE. THIS CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF CHLORDANE, HEPTACHLOR, AND HEPTACHLOR EPOXIDE; TOXICOKINETICS AND HUMAN EXPOSURE TO CHLORDANE, HEPTACHLOR, AND HEPTACHLOR EPOXIDE; HEALTH EFFECTS OF CHLORDANE, HEPTACHLOR, AND HEPTACHLOR EPOXIDE IN HUMANS AND ANIMALS; MECHANISMS OF TOXICITY OF CHLORDANE, HEPTACHLOR, AND HEPTACHLOR EPOXIDE; AND QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF CHLORDANE, HEPTACHLOR, AND HEPTACHLOR EPOXIDE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013128

PUBLICATION DATE: MAR 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR TOXAPHENE (FINAL DRAFT).

PERSONAL AUTHOR: HEE, S. Q.; RADICKE, M.

DESCRIPTOR: *DRINKING WATER; *HEALTH; *PUBLIC HEALTH; *RISK ASSESSMENT; *TOXAPHENE; *TOXICOLOGY

DESCRIPTIVE NOTE: 234P. PRICE CODE: PC A11/MF A01. ORDER NO.: PB86-118049/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING

WATER CRITERIA DOCUMENT ON TOXAPHENE. THIS CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF TOXAPHENE; TOXICOKINETICS AND HUMAN EXPOSURE TO TOXAPHENE; HEALTH EFFECTS OF TOXAPHENE IN HUMANS AND ANIMALS; MECHANISMS OF TOXICITY OF TOXAPHENE; AND QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF TOXAPHENE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013129

PUBLICATION DATE: JUN 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR VIRUSES (FINAL DRAFT).

PERSONAL AUTHOR: BERG, G.

DESCRIPTOR: *DRINKING WATER; *HEALTH; *PUBLIC HEALTH; *RISK ASSESSMENT; *VIRUSES

DESCRIPTIVE NOTE: 240P. PRICE CODE: PC A11/MF A01. ORDER NO.: PB86-118270/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER, U.S. ENVIRONMENTAL PROTECTION AGENCY, HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON VIRUSES. THIS DOCUMENT INCLUDES AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: OCCURRENCE IN WATER; HEALTH EFFECTS IN ANIMALS; HEALTH EFFECTS IN HUMANS; MECHANISMS OF DISEASE; AND RISK ASSESSMENT.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013130

PUBLICATION DATE: NOV 85

TITLE: TOXICITY OF SELENIUM. 1970-NOVEMBER 1985 (CITATIONS FROM THE NTIS DATA BASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *ENVIRONMENTAL EFFECTS; *SELENIUM; *PUBLIC HEALTH; *TOXICOLOGY; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 160P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-852266/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE TOXICITY, CARCINOGENICITY, ENVIRONMENTAL POLLUTION, AND OTHER HAZARDS AND ADVERSE EFFECTS OF SELENIUM. THESE ASPECTS OF SELENIUM ARE DEALT WITH IN RELATION TO AQUATIC AND TERRESTRIAL FLORA AND FAUNA, INCLUDING MAN. (THIS UPDATED BIBLIOGRAPHY CONTAINS 155 CITATIONS, 42 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013137

TITLE: STORM SEWER ANALYSIS AND DESIGN UTILIZING HYDROGRAPHS.

PERSONAL AUTHOR: GOLDING, BERNARD L.

DESCRIPTOR: *BASIC LANGUAGE; *COMPUTER APPLICATIONS; *COMPUTER SOFTWARE; *DESIGN; *HYDROGRAPHS; *SEWERS; *STORM SEWERS; *SURFACE RUNOFF; *URBAN AREAS; *WASTEWATER COLLECTION

DESCRIPTIVE NOTE: PRICE: $125.00

ABSTRACT: CONTAINED IN THIS BOOK ARE EIGHT BASIC LANGUAGE INTERACTIVE PROGRAMS FOR THE ANALYSIS AND DESIGN OF STORM SEWER SYSTEMS BY A HYDROGRAPH PROCEDURE. IN BOTH THE ANALYSIS AND DESIGN PROGRAMS, THE HYDROGRAPH CONTRIBUTARY TO EACH DROP INLET OR CATCH BASIN IS COMPUTED BY THE HNV-SANTA BARBARA URBAN HYDROGRAPH METHOD, WHICH HYDROGRAPHS ARE THEN SUMMED AND/OR ROUTED DOWNSTREAM THROUGH THE STORM SEWER SYSTEM. INPUTS TO BOTH PROGRAMS ARE THE RAINFALL INCREMENTS COMPRISING THE DESIGN STORM AND THE CHARACTERISTICS OF THE DRAINAGE AREA CONTRIBUTING TO EACH INLET OR CATCH BASIN (I.E. AREA, IMPERVIOUS AREA, SOIL INFILTRATION PARAMETERS, ETC.). BOTH THE ANALYSIS AND DESIGN PROGRAMS WILL HANDLE A COMPLICATED TREE SYSTEM IN A SINGLE RUN. ALL OF THE PROGRAMS MAKE EXTENSIVE USE OF DISK FILES AND ARE EASY TO USE AND APPLY. EACH PROGRAM INCLUDES A FULL EXPLANATION OF THE THEORY AND PROGRAM OPERATION, DETAILED STEP-BY-STEP USER INSTRUCTIONS AND SAMPLE PROBLEMS. THE FIRST THREE PROGRAMS ARE FOR THE ANALYSIS OF EXISTING STORM SEWER SYSTEMS. PART 1 - DATA INPUT FILES. PART 2 - READ DATA FILES. PART 3 - SYSTEMS ANALYSIS. THE SECOND THREE PROGRAMS ARE FOR THE DESIGN OF STORM SEWER SYSTEMS. PART 1 - DATA INPUT FILES. PART 2 - READ DATA FILES. PART 3 - SUBSYSTEM DESIGN. A SEVENTH PROGRAM IS USED TO STORE THE RAINFALL INCREMENTS COMPRISING THE DESIGN STORM ON DISK FILES.

AVAILABILITY: HILBERN ENGINEERING SOFTWARE, 8982 ISLESWORTH COURT, BAY HILL, ORLANDO, FL 32819

IRIS ACCESSION NUMBER: EW013138

PUBLICATION DATE: 85

TITLE: ON-SITE WASTEWATER TREATMENT. PROCEEDINGS OF THE FOURTH NATIONAL SYMPOSIUM ON INDIVIDUAL AND SMALL COMMUNITY SEWAGE SYSTEMS.

DESCRIPTOR: *COMPUTER SOFTWARE; *CONFERENCE PROCEEDINGS; *DESIGN; *FACILITIES; *ENVIRONMENT; *EVALUATION; *GROUNDWATER; *MANAGEMENT; *ONSITE TREATMENT; *PERFORMANCE EVALUATION; *SITE SELECTION; *SOILS; *RURAL AREAS; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 383P. PRICE: $27.00 NONMEMBERS; $23.50 MEMBERS.

ABSTRACT: THIS PUBLICATION IS THE PROCEEDINGS OF THE AMERICAN SOCIETY OF AGRICULTURAL ENGINEERS FOURTH NATIONAL SYMPOSIUM ON INDIVIDUAL AND SMALL COMMUNITY SEWAGE SYSTEMS

IN 1984. THE PUBLICATION CONTAINS 42 PAPERS ON THE FOLLOWING TOPICS: COMPUTER SOFTWARE, SYSTEM PERFORMANCE, LARGE SYSTEMS, SITE SUITABILITY, GROUNDWATER, ENVIRONMENTAL EFFECTS, TREATMENT, AND EVALUATION.

AVAILABILITY: AMERICAN SOCIETY OF AGRICULTURAL ENGINEERS, 2950 NILES RD., ST JOSEPH, MI 49085-9659

IRIS ACCESSION NUMBER: EW013139

PUBLICATION DATE: 85

TITLE: THE GREAT LAKES: TROUBLED WATERS.

DESCRIPTOR: *AUDIOVISUAL AIDS; *ENVIRONMENT; *GREAT LAKES; *TELEVISION; *POLLUTION CONTROL; *WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 58 MINUTE 3/4IN TAPE OR FILM.

ABSTRACT: THIS IS A 58-MINUTE PROGRAM BROADCAST ON DAVID SUZUKI'S CBC TELEVISION'S PROGRAM THE NATURE OF THINGS IN JANUARY 1985. IT IS AN INVESTIGATION OF WHAT IS KNOWN AND WHAT IS BEING DONE ABOUT THE HEALTH OF THIS VAST WATERWAY.

AVAILABILITY: PURCHASE: JANIS WEAGANT, CBC ENTERPRISES, BOX 500, STATION A, TORONTO, ONTARIO M5W 1E6; LOAN: BRIDIE CALLAN, COMMUNITY AFFAIRS, BOX 500, STATION A, TORONTO, ONTARIO M5W 1E6, CANADA

IRIS ACCESSION NUMBER: EW013141

PUBLICATION DATE: 85

TITLE: RISK ANALYSIS IN THE CHEMICAL INDUSTRY.

DESCRIPTOR: *CHEMICALS; ENVIRONMENT; *HAZARDOUS MATERIALS; HEALTH; INDUSTRY; *MANAGEMENT; PUBLIC HEALTH; *RISK ASSESSMENT; WORK ENVIRONMENT

DESCRIPTIVE NOTE: 278P. PRICE: $39.00

ABSTRACT: THIS PUBLICATION IS BASED ON THE PROCEEDING FROM THE CHEMICAL MANUFACTURERS ASSOCIATION'S 1985 SYMPOSIUM. THE PUBLICATION CONTAINS 16 CHAPTERS RELATED TO RISK ANALYSIS.

AVAILABILITY: GOVERNMENT INSTITUTES, INC., 966 HUNGERFORD DRIVE, #24, ROCKVILLE, MD 20850

IRIS ACCESSION NUMBER: EW013142

PUBLICATION DATE: 85

TITLE: SOILS IN WASTE TREATMENT AND UTILIZATION. VOLUME I, LAND TREATMENT.

PERSONAL AUTHOR: FULLER, W. H.; WARRICK, A. W.

DESCRIPTOR: *ECONOMICS; *FACILITIES; *ENVIRONMENT; *LAND TREATMENT; *MANAGEMENT; *SOILS; *WASTE TREATMENT; *WASTE DISPOSAL

DESCRIPTIVE NOTE: 228P. PRICE: $83.00

ABSTRACT: THIS PUBLICATION PROVIDES PRACTICAL INFORMATION FOR THE MANAGEMENT OF LAND TREATMENT FACILITIES. SOIL PROPERTIES, VERTICAL PROFILES AND CHEMICAL CHARACTERISTICS ARE DISCUSSED. ECONOMIC WASTE UTILIZATION ON BOTH CULTIVATED AND NON-CULTIVATED LANDS IS DETAILED. ALSO COVERED IS WASTE TREATMENT ON LAND DESIGNATED PRIMARILY FOR DISPOSAL.

AVAILABILITY: CRC PRESS, INC., 2000 CORPORATE BLVD., N.W., BOCA RATON, FL 33431

IRIS ACCESSION NUMBER: EW013143

PUBLICATION DATE: 85

TITLE: SOILS IN WASTE TREATMENT AND UTILIZATION. VOLUME II, POLLUTANT CONTAINMENT, MONITORING AND CLOSURE.

PERSONAL AUTHOR: FULLER, W. H.; WARRICK, A. W.

DESCRIPTOR: *POLLUTION CONTAINMENT; *LANDFILLS; *SOIL USE; *SOILS; *TRENCHES; *WASTE TREATMENT; *WASTE STORAGE; *WASTE SITES

DESCRIPTIVE NOTE: 240P. PRICE: $71.00

ABSTRACT: VOLUME II IN THIS SERIES DESCRIBES THE SELECTION, USE AND MANIPULATION OF SOILS IN LANDFILLS, TRENCHES AND ENCAPSULATIONS. LINERS FOR LANDFILLS AND IMPOUNDMENTS FOR THE CONTROL OF GASES, ODORS AND AEROSOLS ARE ALSO DISCUSSED. PREDICTION OF POLLUTANT TRANSFORMATIONS AND MOBILITY, AS WELL AS ESSENTIAL SCREENING PROTOCOLS FOR WASTE TREATMENT SITES ARE PROVIDED, AND ACID RAIN AND STRONG ACID WASTE ARE DISCUSSED IN TERMS OF THEIR EFFECT ON SOIL STABILITY.

AVAILABILITY: CRC PRESS, INC., 2000 CORPORATE BLVD., N.W., BOCA RATON, FL 33431

IRIS ACCESSION NUMBER: EW013144

PUBLICATION DATE: 85

TITLE: WATER TREATMENT PRINCIPLES AND DESIGN.

PERSONAL AUTHOR: MONTGOMERY, JAMES M.

DESCRIPTOR: *DESIGN; *FACILITIES; *MANAGEMENT; *OPERATIONS (WATER); *WATER TREATMENT

DESCRIPTIVE NOTE: 864P. PRICE: $49.95

ABSTRACT: THIS PUBLICATION PRESENTS BASIC INFORMATION ON THE PRINCIPLES OF WATER TREATMENT AND THE DESIGN OF WATER TREATMENT FACILITIES. INFORMATION IS INCLUDED ON PROCESS PRINCIPLES, COAGULATION AND FLOCCULATION, SEDIMENTATION, FILTRATION, AND ION EXCHANGE AND ADSORPTION.

AVAILABILITY: JOHN WILEY AND SONS, INC., ONE WILEY DRIVE, SOMERSET, NJ 08873

IRIS ACCESSION NUMBER: EW013145

TITLE: WATER RESOURCES FOR AGRICULTURAL PRODUCTION IN THE UNITED STATES.

DESCRIPTOR: *AGRICULUTRE; *AGRICULTURAL PROBLEMS; *NATURAL RESOURCES; *RAINFALL; *WATER QUALITY; *WATER STORAGE; *WATER SUPPLY; *WATER USE

DESCRIPTIVE NOTE: PRICE: $19.50

ABSTRACT: THIS PUBLICATION SUMMARIZES THE FINDINGS OF A TASK FORCE OF THE AMERICAN SOCIETY OF AGRICULTURAL ENGINEERS (ASAE). THE TASK FORCE DOCUMENTED SIX MAJOR AGRICULTURAL WATER PROBLEMS INCLUDING WATER QUALITY, SUPPLIES, STORAGE, USE, AND EXCESS RAINFALL.

AVAILABILITY: ASAE, DEPARTMENT 503, 2950 NILES ROAD, ST. JOSEPH, MI 49085

IRIS ACCESSION NUMBER: EW013146

TITLE: WASTE AWAY.

DESCRIPTOR: *CHEMICALS; *GAMES; *HAZARDOUS WASTES; *ENVIRONMENTAL IMPACT; *ECONOMICS; *POLICIES; *POLLUTION CONTROL; *REGULATIONS; *RISK ASSESSMENT

DESCRIPTIVE NOTE: PRICE: $20.00

ABSTRACT: THIS GAME FOLLOWS THE GENERATION, SHIPMENT, AND DISPOSAL OF HAZARDOUS WASTES. PLAYERS TAKE ON THE ROLE OF CONSUMER, INDUSTRIALIST, WASTE HAULER, AND WASTE DISPOSER. PLAYERS EXPERIENCE THE CONSEQUENCES OF THEIR CHOICES.

AVAILABILITY: MEEA/DAVE CHAPMAN, 4360 HAGADORN ROAD, OKEMOS, MI 48864

IRIS ACCESSION NUMBER: EW013147

PUBLICATION DATE: 84

TITLE: WATER CONSERVATION IN LANDSCAPE DESIGN AND MANAGEMENT.

PERSONAL AUTHOR: ROBINETTE, GARY O.

DESCRIPTOR: *AGRICULTURE; *CONSERVATION; *LANDSCAPE DESIGN; *LAND SCAPE MANAGEMENT; *WATER CONSERVATION; *WATER USE; *WATER RESOURCES

DESCRIPTIVE NOTE: 258P. PRICE: $22.50

ABSTRACT: THE BOOK ADDRESSES ALL ASPECTS OF MONITORING WATER USAGE, REDESIGNING LANDSCAPES TO USE LESS WATER, AND APPLYING WATER TO PLANTS IN THE MOST EFFICIENT WAY POSSIBLE. IT ALSO DISCUSSES THE IMPACT OF WATER ON HUMAN LIFE AND ACTIVITY; THE BASIC WATER CYCLE; THE PREDICTABLE RECURRENCES OF PERIODIC WATER SHORTAGE; THE COMPETITION FOR WATER AMONG AGRICULTURE, INDUSTRY, AND URBAN DEVELOPMENT; AND THE RELATIONSHIP BETWEEN LANDSCAPE DEVELOPMENT AND WATER USE. STRATEGIES EXPLORED IN DETAIL INCLUDE HOW TO: (1) CONTROL WATER PRESENT ON A SITE TO USE IT MORE EFFICIENTLY AND EFFECTIVELY, (2) SELECT PLANTS THAT REQUIRE LESS WATER, (3) LEAVE PLANTS IN A STRESS CONDITION WITH MINIMUM WATER APPLICATION, (4) ERECT WIND BARRIERS TO REDUCE DEHYDRATION OF THE SOIL AROUND PLANTS, AND (5) CHANGE THE APPEARANCE OF A LANDSCAPE AREA SO THAT IT WILL BE MORE NATURALLY MANICURED AND REQUIRE LESS WATER. ALSO DISCUSSED IS THE USE OF MULCHES AND OTHER MATERIALS TO REDUCE THE TRANSPIRATION OF WATER FROM SOIL, AS WELL AS APPLICATIONS OF ANTITRANSPIRANTS TO PROMOTE RETENTION AND BETTER USE OF WATER BY PLANTS. THE BOOK ALSO DETAILS METHODS OF USING SPRINKLER OR IRRIGATION SYSTEMS TO ESTABLISH WATERING PRIORITIES AND ALTER CURRENT PRACTICES FOR MORE EFFICIENT USE OF WATER. THE BOOK IS INTENDED FOR LANDSCAPE ARCHITECTS, CONTRACTORS, URBAN PLANNERS, DEVELOPERS, AND HOMEOWNERS.

AVAILABILITY: VAN NOSTRAND REINHOLD CO. INC., 135 W. 50TH STREET, NEW YORK, NY 10020

IRIS ACCESSION NUMBER: EW013148

PUBLICATION DATE: 84

TITLE: WORLD WATER '83: THE WORLD PROBLEM.

DESCRIPTOR: *CONSERVATION; *FINANCING; *CASE STUDIES; *APPROPRIATE TECHNOLOGY; *NEEDS; *PLANNING; *SANITATION; *TRAINING; *WATER RESOURCES; *WATER QUALITY; *WATER SUPPLY; *WORLD PROBLEMS; *WASTE DISPOSAL

DESCRIPTIVE NOTE: 218P.

ABSTRACT: THE PANORAMA OF PROBLEMS THAT ARE PLAGUING THE LESSER DEVELOPED NATIONS ARE DISCUSSED IN THESE PROCEEDINGS. AN OVERVIEW OPENS THE PUBLICATION, PROVIDING AN OUTLINE FOR THE NEEDS, PLANS, PROGRESS, AND IMPLEMENTATION OF PROGRAMS NECESSARY TO REACH THE GOALS OF THE INTERNATIONAL WATER AND SANITATION DECADE. THE SUCCEDING PAPERS EXAMINE VARIOUS ASPECTS OF BRINGING TO FRUITION SUCH PROGRAMS AS FINANCING, TRAINING, MANAGEMENT, CONSERVATION, AND WASTE DISPOSAL. THESE PAPERS INCLUDE CASE STUDIES OF EFFORTS UNDER WAY IN SAUDI ARABIA AND SOUTHEAST ASIA AND DISCUSSIONS OF THE APPROPRIATE TECHNOLOGY FOR BRINGING WATER AND SANITATION TO THE TWO THIRDS OF THE GLOBAL POPULATION NOW WITHOUT THESE SERVICES.

AVAILABILITY: THOMAS TELFORD LTD., 1-7 GREAT GEORGE ST., LONDON SW1P 3AA, ENGLAND

IRIS ACCESSION NUMBER: EW013149
TITLE: WATER POLLUTION: A FIRST FILM.

DESCRIPTOR: *AUDIOVISUAL AIDS; *ENVIRONMENT; *ELEMENTRY EDUCATION; *FILMS; *INSTRUCTIONAL MATERIALS; *SECONDARY EDUCATION; *WASTE DISPOSAL; *WATER POLLUTION; *WATER POLLUTION CONTROL; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: SALE $155; RENTAL $38.00. 16MM, 12MIN.

ABSTRACT: THIS FILM PRESENTS WAYS IN WHICH WATER POLLUTION OCCURS AND METHODS FOR ITS PREVENTION. THE WATER CYCLE AND THE POLLUTION PROBLEMS CAUSED BY POOR MUNICIPAL AND INDUSTRIAL SEWAGE DISPOSAL PRACTICES ARE COVERED. THE CAUSES OF ACID RAIN AND ITS DAMAGE TO THE ENVIRONMENT ARE DESCRIBED. A STUDY GUIDE ACCOMPANIES THE FILM.

AVAILABILITY: PHOENIX FILMS/BFA FILMS AND VIDEO, 468 PARK AVE. S., NEW YORK, NY 10016

IRIS ACCESSION NUMBER: EW013150

PUBLICATION DATE: OCT 85

TITLE: ALGAE: CONTROL AND GROWTH IN LAKES AND STREAMS. OCTOBER 1984-OCTOBER 1985 (CITATIONS FROM THE SELECTED WATER RESOURCES ABSTRACTS

DESCRIPTOR: *ALGAE; *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *LAKES; *STREAMS

DESCRIPTIVE NOTE: 87P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB85-868610/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE GROWTH AND CONTROL OF ALGAE IN LAKES, STREAMS, RIVERS, AND RESERVOIRS. BIOCHEMICAL STUDIES PERFORMED AT SPECIFIC SITES, TEST PROCEDURES, AND THE UTILIZATION OF MATHEMATICAL MODELS IN THE INVESTIGATION OF LAKE AND RIVER DYNAMICS ARE AMONG THE TOPICS CONSIDERED. SOME ATTENTION IS GIVEN TO HERBICIDE UTILIZATION. (THIS UPDATED BIBLIOGRAPHY CONTAINS 78 CITATIONS, ALL OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013151

PUBLICATION DATE: 85

TITLE: 1985 INTERNATIONAL SYMPOSIUM ON URBAN HYDROLOGY, HYDRAULIC INFRASTRUCTURE AND WATER QUALITY CONTROL.

PERSONAL AUTHOR: HUFFSEY, RALPH R., ED.

DESCRIPTOR: *CONFERENCE PROCEEDINGS; DESIGN; HYDROLOGY; RURAL AREAS; *SEWERS; URBAN AREAS; *WASTEWATER COLLECTION; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: PRICE: $33.50
ABSTRACT: THIS PUBLICATION IS BASED ON THE INTERNATIONAL SYMPOSIUM ON URBAN HYDROLOGY, HYDRAULIC INFRASTRUCTURE AND WATER QUALITY CONTROL HELD IN JULY, 1985 AT THE UNIVERSITY OF KENTUCKY. SEVEN PAPERS PRESENT INFORMATION ON VARIABLE GRADE EFFLUENT COLLECTION, VACUUM SEWERS, PRESSURE SEWERS, AND DESIGN IMPLICATIONS.

AVAILABILITY: OES PUBLICATIONS, COLLEGE OF ENGINEERING, UNIVERSITY OF KENTUCKY, LEXINGTON, KY 40506-0046

IRIS ACCESSION NUMBER: EW013152

TITLE: ACTIVATED SLUDGE PROCESS--THEORY AND PRACTICE.

PERSONAL AUTHOR: GANCZARCZYK, J.

DESCRIPTOR: *ACTIVATED SLUDGE; *DESIGN; *INSTRUCTIONAL MATERIALS; *BIOLOGICAL TREATMENT; *OPERATIONS (WASTEWATER); *POSTSECONDARY EDUCATION; *WASTE DISPOSAL; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 270P. PRICE: $59.75

ABSTRACT: THIS BOOK REPRESENTS A COMPENDIUM OF INFORMATION FOR PRACTICAL APPLICATION IN THE DESIGN OF THE ACTIVATED SLUDGE PROCESS FOR BIOLOGICAL WASTE TREATMENT. DEALING LARGELY WITH THE PRACTICAL ASPECTS, THE BOOK GOES THROUGH THE PRINCIPLES AND FACTORS WHICH AFFECT THE ACTIVATED SLUDGE PROCESS INCLUDING MANY OF ITS MODIFICATIONS. IT EXAMINES THE AERATION PROCESS IN DETAIL AND FURTHER GOES THROUGH THE SEPARATION AND THICKENING PROCESSES INCLUDING THE DEWATERING, UTILIZATION AND DISPOSAL OF ACTIVATED SLUDGE. MANY EXAMPLES OF INDUSTRIAL APPLICATION ARE CITED AND THEN FOLLOWED BY A METHODOLOGY FOR PROCESS DESIGN AND THE OPERATION AND MAINTENANCE ASPECTS OF ACTIVATED SLUDGE PLANTS.

AVAILABILITY: MARCEL DEKKER INCORPORATED, NEW YORK, NY

IRIS ACCESSION NUMBER: EW013153

PUBLICATION DATE: NOV 85

TITLE: WASTE PROCESSING AND POLLUTION IN THE CHEMICAL AND PETROCHEMICAL INDUSTRIES. MAR 83-NOV 85 (CITATIONS FROM THE NTIS DATA BASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *CHEMICALS; *EQUIPMENT; *INDUSTRIAL WASTES; *POLLUTION CONTROL; *PETROCHEMICALS; *TECHNOLOGY; *WASTE PROCESSING; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 237P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-852381/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING TECHNIQUES AND EQUIPMENT UTILIZED FOR POLLUTION CONTROL IN THE CHEMICAL AND PETROCHEMICAL INDUSTRIES. TOPICS INCLUDE

EMISSIONS INVESTIGATIONS, RECYCLING AND MATERIALS RECOVERY STUDIES, AND STANDARDS FOR SPECIFIC INDUSTRIES. SOURCES, SITE HAZARD EVALUATIONS, AND THE TOXICITY OF SPECIFIC CHEMICALS ARE ALSO DISCUSSED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 245 CITATIONS, 64 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE: 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013154

TITLE: CHEMISTRY AND CONTROL OF MODERN CHLORINATION.

PERSONAL AUTHOR: PALIN, A. T.

DESCRIPTOR: *CHEMISTRY; *CHLORINATION; *CHLORINE; *DISINFECTION; *INDUSTRY; *MUNICIPALITIES; *WASTEWATER TREATMENT; *WATER TREATMENT

DESCRIPTIVE NOTE: 64P. FREE.

ABSTRACT: THIS PUBLICATION PROVIDES INFORMATION ON THE PRINCIPLES OF CHLORINATION AND THE METHODS USED TO TEST FOR CHLORINE. TOPICS COVERED INCLUDE THE CHEMISTRY OF CHLORINATION, DISINFECTION BY CHLORINE, CHLORINATION OF WASTEWATERS AND INDUSTRIAL WATERS, DISINFECTION BY-PRODUCTS, THE DETERMINATION OF FREE CHLORINE AND OTHER RESIDUALS SIMPLIFIED DPD METHODS FOR FIELD TESTING, AND REFERENCES.

AVAILABILITY: LA MOTTE CHEMICAL PRODUCTS COMPANY, P.O. BOX 329, CHESTERTOWN, MD 21620

IRIS ACCESSION NUMBER: EW013155

TITLE: ANALYSIS OF WATER DISTRIBUTION SYSTEMS.

PERSONAL AUTHOR: WALSKI, THOMAS M.

DESCRIPTOR: *EVALUATION; *HYDRAULICS; *MAINTENANCE; *PIPES; *WATER DISTRIBUTION; *WATER MAINS

DESCRIPTIVE NOTE: 275P. PRICE: $42.50

ABSTRACT: THIS BOOK PROVIDES ADVICE FOR EXAMINING AND SOLVING PROBLEMS WITH WATER DISTRIBUTION SYSTEMS. TOPICS COVERED INCLUDE A REVIEW OF CLOSED CONDUIT HYDRAULICS, SOLVING PIPE NETWORK FLOW PROBLEMS, USING WATER DISTRIBUTION SYSTEM MODELS, SIZING WATER MAINS, PROVIDING AND RESTORING CARRYING CAPACITY, PIPE BREAKS AND WATER LOSS, AND TESTING WATER DISTRIBUTION SYSTEMS. THE BOOK IS WELL-ILLUSTRATED WITH PHOTOGRAPHS, DIAGRAMS, DRAWINGS, CHARTS, AND GRAPHS.

AVAILABILITY: VAN NOSTRAND REINHOLD, 135 WEST 50TH STREET, NEW YORK, NY 10020

IRIS ACCESSION NUMBER: EW013158

TITLE: HAZARDOUS CHEMICAL DATA MANUAL.

DESCRIPTOR: *CHEMICALS; *CHEMICAL CHARACTERISTICS; *GUIDES; *HAZARDOUS MATERIALS; *PHYSICAL CHARACTERISTICS

DESCRIPTIVE NOTE: 2200P. PRICE: $41.00. STOCK NO.: 050-012-00215-1

ABSTRACT: THE HAZARDOUS CHEMICAL DATA MANUAL DESCRIBES THE CHEMICAL AND PHYSICAL CHARACTERISTICS OF MORE THAN 1200 CHEMICALS. THE REVISED MANUAL IS PART OF THE U.S. COAST GUARD'S CHEMICAL HAZARDS RESPONSE INFORMATION SYSTEM (CHRIS). IT CONTAINS QUANTITATIVE DATA NEEDED FOR HAZARD ASSESSMENT CALCULATIONS.

AVAILABILITY: SUPERINTENDENT OF DOCUMENTS, GOVERNMENT PRINTING OFFICE, WASHINGTON, DC 20402

IRIS ACCESSION NUMBER: EW013159

PUBLICATION DATE: 85

TITLE: GOOD LABORATORY PRACTICE COMPLIANCE INSPECTION MANUAL.

DESCRIPTOR: *COMPLIANCE; *INSPECTION; *LABORATORY PRACTICE; *LABORATORY PROCEDURES; *PESTICIDES; *REFERENCE MANUALS; *FEDERAL PROGRAMS; *TOXIC SUBSTANCES; *USEPA

DESCRIPTIVE NOTE: 116P. PRICE: $25.00

ABSTRACT: THIS REFERENCE MANUAL WAS PREPARED BY THE EPA'S OFFICE OF PESTICIDES AND TOXICS SUBSTANCES AND THE OFFICE OF COMPLIANCE MONITORING TO GUIDE THEIR OWN INSPECTORS WHEN INVESTIGATING FOR COMPLIANCE WITH THE EPA'S LABORATORY DATA INTEGRITY PROGRAM. IN THIS MANUAL YOU WILL FIND SPECIFIC ON-SITE INSPECTION PROCEDURES THAT CAN BE USED, WITH DETAILED CHECKLISTS ON: (1) THE BACKGROUND OF YOUR STAFF; (2) RECEIPT, SHIPMENT, AND STORAGE PROCEDURES; (3) ADMINISTRATIVE AND CLINICAL RECORDKEEPING; (4) FACILITIES AND EQUIPMENT; (5) TOXICOLOGICAL, CLINICAL CHEMISTRY, AND PHARMACOKINETICS MONITORING; AND (6) ANIMAL CARE. THE PUBLICATION INCLUDES SECTIONS ON (1) GOOD LABORATORY PRACTICE (GLP) REGULATIONS, (2) PREINSPECTION ACTIVITIES, (3) ON-SITE INSPECTION PROCEDURES, AND (4) REPORT PREPARATION.

AVAILABILITY: GOVERNMENT INSTITUTES, INC., 966 HUNGERFORD DRIVE, #24, ROCKVILLE, MD 20850

IRIS ACCESSION NUMBER: EW013160

PUBLICATION DATE: SEP 85

TITLE: FRESHWATER WETLANDS FOR WASTEWATER MANAGEMENT ENVIRONMENTAL ASSESSMENT HANDBOOK.

DESCRIPTOR: *ENVIRONMENT; *HANDBOOKS; *MANAGEMENT;

*PLANNING; *REGULATIONS; *WASTEWATER TREATMENT; *WETLANDS

DESCRIPTIVE NOTE: 516P. PRICE CODE: PC A22/MF A01. ORDER NO.: PB86-106564/WEP

ABSTRACT: THE FRESHWATER WETLANDS HANDBOOK PROVIDES INSTITUTIONAL, SCIENTIFIC AND ENGINEERING GUIDANCE FOR THE USE OF NATURAL, FRESHWATER WETLANDS FOR WASTEWATER MANAGEMENT. WETLANDS HAVE LONG BEEN RECOGNIZED FOR THEIR POLLUTANT REMOVAL CAPABILITIES AND MANY HAVE BEEN USED FOR WASTEWATER MANAGEMENT FOR SOME TIME. LITTLE TECHNICAL OR INSTITUTIONAL GUIDANCE CURRENTLY EXISTS FOR REGULATING THESE SYSTEMS OR FOR PLANNING NEW SYSTEMS. THIS HANDBOOK PROVIDES GUIDANCE FOR STATE AND FEDERAL REGULATORY AGENCIES AND POTENTIAL DISCHARGERS EVALUATING WETLANDS FOR WASTEWATER DISPOSAL OR POLLUTANT REMOVAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013161

PUBLICATION DATE: MAR 85

TITLE: INTRODUCTION TO GROUND-WATER TRACERS.

PERSONAL AUTHOR: DAVIS, S. N.; AND OTHERS

DESCRIPTOR: *FIELD TECHNIQUES; *GROUNDWATER; *LABORATORY PROCEDURES; *TRACERS; *TRACER TESTS

DESCRIPTIVE NOTE: 216P. PRICE CODE: PC A10/MF A01. ORDER NO.: PB86-100591/WEP

ABSTRACT: THE GENERAL FIELD OF GROUND-WATER TRACERS IS INTRODUCED ALONG WITH SOME BASIC HYDROGEOLOGIC PRINCIPLES USED IN PLANNING AND CONDUCTING TRACER TESTS. THE FINAL CHAPTER DESCRIBES TRACER TYPES BY CATEGORY AND PROVIDES INFORMATION ON SPECIFIC FIELD TECHNIQUES, DETECTION LIMITS, LABORATORY ANALYSIS, ETC.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013163

PUBLICATION DATE: 85

TITLE: INTERNAL CORROSION OF WATER DISTRIBUTION SYSTEMS. COOPERATIVE RESEARCH REPORT.

PERSONAL AUTHOR: SNOEYINK, VERNON; AND OTHERS

DESCRIPTOR: *CORROSION; *DRINKING WATER; *MAINTENANCE; *METALS; *PIPES; *WATER DISTRIBUTION; *WATER TREATMENT

DESCRIPTIVE NOTE: PRICE: $56.00

ABSTRACT: THIS PUBLICATION IS AN INTEGRATION OF THE WORLD'S KNOWLEDGE AND PRACTICE ON THE SUBJECT OF CORROSION. IN ADDITION TO THE BASIC CHAPTERS, THERE IS SEPARATE COVERAGE OF EACH TYPE OF DISTRIBUTION MATERIAL--IRON, STEEL, GALVANIZED STEEL, COPPER, LEAD, AND ASBESTOS-CEMENT--TO PROVIDE AN EASY REFERENCE FOR THE ENGINEER OR MANAGER. OTHER CHAPTERS ARE DEVOTED TO A DESCRIPTION OF AVAILABLE SOLUTIONS TO THE VARIOUS PROBLEMS AND INVESTIGATORY TECHNIQUES FOR WATER UTILITIES.

AVAILABILITY: AWWA RESEARCH FOUNDATION, 6666 WEST QUINCY AVENUE, DENVER, CO 80235

IRIS ACCESSION NUMBER: EW013164

PUBLICATION DATE: 83

TITLE: BASIC LANGUAGE PROGRAMS FOR URBAN STORMWATER MANAGEMENT PLANNING AND DESIGN. VOLUME I.

PERSONAL AUTHOR: GOLDING, BERNARD L.

DESCRIPTOR: *BASIC LANGUAGE; *COMPUTER APPLICATIONS; *COMPUTER PROGRAMS; *COMPUTER SOFTWARE; *DESIGN; *MANAGEMENT; *PLANNING; *STORMWATER; *SURFACE RUNOFF; *URBAN AREAS; *WASTEWATER COLLECTION

DESCRIPTIVE NOTE: 355P. PRICE: $150.00

ABSTRACT: THIS IS VOLUME ONE IN A TWO VOLUME SERIES. THIS BOOK CONTAINS ALL OF THE COMPUTER PROGRAMS REQUIRED FOR THE PRELIMINARY ANALYSIS AND FINAL DESIGN OF STORM WATER MANAGEMENT SYSTEMS FOR MUNICIPALITIES AND DEVELOPMENTS; A TOTAL OF 28. ALL OF THE PROGRAMS WERE DEVELOPED, REFINED AND TESTED OVER A LONG PERIOD OF TIME AND HAVE BEEN USED FOR THE DESIGN OF MANY STORM WATER MANAGEMENT SYSTEMS UNDER A VARIETY OF CIRCUMSTANCES. THE EIGHT PROGRAMS IN HYDROLOGY ENABLE RAPID COMPUTATION OF HYDROGRAPHS FOR BOTH THE PREDEVELOPMENT AND POST-DEVELOPMENT CONDITION AND THE ROUTING OF THESE HYDROGRAPHS THROUGH RESERVOIR AND CHANNEL STORAGE. INCLUDED IN THIS BOOK ARE TWO MODELS FOR HYDROGRAPH COMPUTATION, THE HNV-SANTA BARBARA URBAN HYDROGRAPH METHOD AND THE DABRO MODEL (A UNIT HYDROGRAPH MODEL), BOTH OF WHICH MODELS HAVE BEEN SUCCESSFULLY USED TO SIMULATE HYDROGRAPHS FROM SMALL DRAINAGE BASINS USING GAUGED DATA WITH LITTLE OR NO CALIBRATION. THE 20 PROGRAMS IN HYDRAULICS ENABLE THE RAPID COMPUTATION OF DETENTION BASIN AND RESEVOIR RATING CURVES AND THE REQUIRED SIZES OF CONVEYANCE CHANNELS.

AVAILABILITY: HILBERN ENGINEERING SOFTWARE, 8982 ISLESWORTH COURT, BAY HILL, ORLANDO, FL 32819

IRIS ACCESSION NUMBER: EW013165

PUBLICATION DATE: 83

TITLE: BASIC LANGUAGE PROGRAMS FOR URBAN STORMWATER MANAGEMENT PLANNING AND DESIGN. VOLUME II.

PERSONAL AUTHOR: GOLDING, BERNARD L.

DESCRIPTOR: *BASIC LANGUAGE; *COMPUTER APPLICATIONS;

*COMPUTER PROGRAMS; *COMPUTER SOFTWARE; *DESIGN; *MANAGEMENT; *PLANNING; *STORMWATER; *SURFACE RUNOFF; *URBAN AREAS; *WASTEWATER COLLECTION

DESCRIPTIVE NOTE: 114P. PRICE: $50.00

ABSTRACT: THIS IS THE SECOND IN A TWO VOLUME SERIES ON URBAN STORMWATER MANAGEMENT, PLANNING, AND DESIGN. THE HYDRAULIC PROGRAMS IN THIS BOOK ENABLE THE RAPID COMPUTATION OF CRITICAL AND NORMAL DEPTHS AND THE HEAD LOSSES THROUGH BOTH OVAL (CONCRETE) AND ARCH (CMP) PIPE CULVERTS UNDER A VARIETY OF CONDITIONS. THE HYDROLOGIC PROGRAMS ENABLE ANALYTIC FREQUENCY ANALYSIS BY BOTH THE EXTREME VALUE-TYPE 1 (GUMBEL) AND THE LOG PEARSON TYPE III PROCEDURES. INCLUDED WITH EACH PROGRAM IS A DISCUSSION OF THE THEORY, DERIVED EQUATIONS, DETAILED STEP-BY-STEP USER INSTRUCTIONS AND SAMPLE PROBLEMS.

AVAILABILITY: HILBERN ENGINEERING SOFTWARE, 8982 ISLESWORTH COURT, BAY HILL, ORLANDO, FL 32819

IRIS ACCESSION NUMBER: EW013166

PUBLICATION DATE: 84

TITLE: PUMPING STATION ANALYSIS.

PERSONAL AUTHOR: GOLDING, BERNARD L.

DESCRIPTOR: *COMPUTER PROGRAMS; *COMPUTER SOFTWARE; *DATA ANALYSIS; *BASIC LANGUAGE; *MANAGEMENT; *PUMPING STATIONS; *STORM WATER; *SURFACE RUNOFF

DESCRIPTIVE NOTE: 48P. PRICE: $25.00

ABSTRACT: THIS PROGRAM FOR ANALYSIS OF STORM WATER PUMPING STATIONS, KEEPS A RUNNING ACCOUNT OF PUMPING STATION OPERATION WITH TIME. AT THE END OF EACH SELECTED TIME INTERVAL, THE INFLOW IN CFS TO THE STATION, THE WATER SURFACE ELEVATION IN THE STORAGE BASIN; THE STORAGE IN ACRE FEET IN THE STORAGE BASIN AND THE PUMP DISCHARGE IN CFS ARE LISTED. INPUTS TO THE PROGRAM ARE THE STORAGE IN THE BASIN AT SUCCESSIVELY HIGHER ELEVATIONS; THE PUMP ON AND OFF ELEVATIONS AND THE PUMP CAPACITIES IN GPM. INFLOW HYDROGRAPHS TO THE PUMPING INSTALLATION (STATION AND ADJACENT STORAGE BASIN) MAY BE INPUT TO THE COMPUTER MANUALLY OR FROM DISK FILE.

AVAILABILITY: HILBERN ENGINEERING SOFTWARE, 8982 ISLESWORTH COURT, BAY HILL, ORLANDO, FL 32819

IRIS ACCESSION NUMBER: EW013168

TITLE: BASIC LANGUAGE PROGRAMS FOR SANITARY SEWER SYSTEM ANALYSIS AND DESIGN.

PERSONAL AUTHOR: GOLDING, BERNARD L.

DESCRIPTOR: BASIC LANGUAGE; COMPUTER APPLICATIONS; *COMPUTER SOFTWARE; COMPUTER PROGRAMS; *DESIGN; *SEWERS;

*SEWER SYSTEMS; *WASTEWATER COLLECTION

DESCRIPTIVE NOTE: PRICE: $150.00

ABSTRACT: CONTAINED IN THIS BOOK ARE SIX BASIC LANGUAGE INTERACTIVE PROGRAMS FOR THE ANALYSIS AND DESIGN OF SANITARY SEWER SYSTEMS AND A SEVENTH PROGRAM (PIPE SYSTEM ANALYSIS) FOR THE COMPUTATION OF HEAD LOSS IN A FORCE MAIN. EACH PROGRAM INCLUDES A FULL EXPLANATION OF THE THEORY AND PROGRAM OPERATION, DETAILED STEP-BY-STEP USER INSTRUCTIONS AND SAMPLE PROBLEMS. BOTH THE ANALYSIS AND DESIGN PROGRAMS WILL HANDLE A COMPLICATED TREE SYSTEM IN A SINGLE RUN. THREE PROGRAMS ARE FOR THE ANALYSIS OF EXISTING SANITARY SEWER SYSTEMS. THREE PROGRAMS ARE FOR THE DESIGN OF NEW SANITARY SEWER SYSTEMS. IN THE ANALYSIS PROGRAM, IF THE SIZE OF A PARTICULAR PIPE RUN BETWEEN TWO MANHOLES IS INADEQUATE TO CONVEY THE COMPUTED FLOW, THE PROGRAM WILL DESIGN BOTH A SUPPLEMENTARY PARALLEL PIPE TO CARRY THE DEFICIENCY AND AN ALTERNATIVE NEW PIPE TO CONVEY THE ENTIRE PEAK FLOW. THE TWO BASIC CRITERIA ADDRESSED IN THE DESIGN PROGRAM ARE MINIMUM COVER AND MINIMUM SLOPE TO ACHIEVE A VELOCITY OF 2.0 FT/SEC OR OTHER DESIRED MINIMUM VELOCITY. THE DESIGN PROGRAM WILL AUTOMATICALLY DROP THE INVERT AT A MANHOLE (DROP MANHOLE) TO MEET AN INTERSECTING BRANCH LINE. IN BOTH THE ANALYSIS AND DESIGN PROGRAMS EXTENSIVE USE OF DISK FILES IS MADE. THE PROGRAM FOR PIPE SYSTEM ANALYSIS WILL AUTOMATICALLY PLOT UP THE SYSTEM HEAD CURVE FOR A FORCE MAIN IF DESIRED. THIS PROGRAM MAY ALSO BE USED TO COMPUTE FLOW RATE IN A LINEAR PIPE LINE SYSTEM UNDER PRESSURE (I.E., WATER TRANSMISSION MAIN) WHEN ONLY THE AVAILABLE HEAD AND THE PIPE SIZES AND PROPERTIES ARE KNOWN.

AVAILABILITY: HILBERN ENGINEERING SOFTWARE, 8982 ISLESWORTH COURT, BAY HILL, ORLANDO, FL 32819

IRIS ACCESSION NUMBER: EW013169

PUBLICATION DATE: 85

TITLE: VALIDATION AND PREDICTABILITY OF LABORATORY METHODS FOR ASSESSING THE FATE AND EFFECTS OF CONTAMINANTS IN AQUATIC ECOSYSTEMS.

PERSONAL AUTHOR: BOYLE, TERENCE P., ED.

DESCRIPTOR: *ANALYTICAL TECHINQUES; *CONTAMINANTS; *LABORATORY PROCEDURES; *AQUATIC ECOSYSTEMS; *CHEMICALS; *EVALUATION; *ORGANISMS; *TOXICOLOGY

DESCRIPTIVE NOTE: 242P. PRICE: $34.00 NONMEMBERS. $27.20 MEMBERS.

ABSTRACT: THIS PUBLICATION ADDRESSES THE NEED AMONG TOXICOLOGISTS, ECOTOXICOLOGISTS, AND ENVIRONMENTAL SCIENTISTS TO VALIDATE AND ESTABLISH THE LIMITS OF PREDICTABILITY FOR LABORATORY ASSESSMENT PROCEDURES. FIFTEEN PEER-REVIEWED PAPERS WITH OVER 70 ILLUSTRATIONS PROVIDE VALUABLE RESEARCH DATA ON THE FATE OF CONTAMINANTS, INCLUDING CHEMICALS AND ORGANISMS, IN LABORATORY ECOSYSTEMS COMPARED WITH RESULTS FROM SIMILAR ENVIRONMENTAL STUDIES; INTEGRATING THE USE OF MICROCOSMS AND MATHEMATICAL MODELS FOR COMPREHENSIVE ASSESSMENT OF THE EFFECTS OF ENVIRONMENTAL

CONTAMINANTS; AND VALIDATING COMPUTERIZED FATE MODELS.

AVAILABILITY: AMERICAN SOCIETY FOR TESTING AND MATERIALS, 1916 RACE STREET, PHILADELPHIA, PA 19103

IRIS ACCESSION NUMBER: EW013170

PUBLICATION DATE: 85

TITLE: DECISION-MAKING IN LOCAL GOVERNMENT: THE RESOURCE RECOVERY ALTERNATIVE.

PERSONAL AUTHOR: POPP, PAUL O.; AND OTHERS

DESCRIPTOR: *DECISION MAKING; *MANAGEMENT; *RESOURCE RECOVERY; *SOLID WASTES; *WASTE DISPOSAL; *WASTE MANAGEMENT

DESCRIPTIVE NOTE: 274P. PRICE: $35.00

ABSTRACT: THIS TEXT MAY BE USED AS A PRACTITIONER'S HANDBOOK FOR LOCAL ELECTED OFFICIALS WHO ARE, OR SOON MAY BE, IN A RESOURCE RECOVERY WASTE DISPOSAL PROBLEM-SOLVING SITUATION; AS A GUIDELINE FOR LOCAL GOVERNMENT PLANNERS, ADMINISTRATORS, AND WASTE MANAGEMENT PROFESSIONALS AS THEY PREPARE DECISION INFORMATION FOR ELECTED OFFICIALS TO REVIEW AND CONSIDER; AND AS A TEXTBOOK. TOPICS DISCUSSED INCLUDE LOCAL GOVERNMENT AND SOLID WASTE DISPOSAL; STATE AND FEDERAL INVOLVEMENT IN SOLID WASTE; RISK AND RESOURCE RECOVERY RECISION-MAKING; AND DISPOSAL PRACTICES FOR MUNICIPAL SOLID WASTE.

AVAILABILITY: TECHNOMIC PUBLISHING COMPANY, INC., 851 NEW HOLLAND AVENUE, BOX 3535, LANCASTER, PA 17604

IRIS ACCESSION NUMBER: EW013174

PUBLICATION DATE: 85

TITLE: QUALITY ASSURANCE FOR ENVIRONMENTAL MEASUREMENTS.

PERSONAL AUTHOR: TAYLOR, J. K., ED.

DESCRIPTOR: *ANALYTICAL TECHNIQUES; CONTAMINANTS; EVALUATION; *ENVIRONMENTAL QUALITY; ENVIRONMENT; MANAGEMENT; *MEASUREMENT; *QUALITY ASSURANCE; MONITORING; REPORTING; SAMPLING

DESCRIPTIVE NOTE: 448P. PRICE: $50.00 NON-MEMBERS. $40.00 MEMBERS.

ABSTRACT: THIS GUIDE EVALUATES CURRENT ENVIRONMENTAL MEASUREMENT SYSTEMS IN TERMS OF THE FOLLOWING PARAMETERS: QUALITY OF ENVIRONMENTAL DATA WHICH INCLUDES INFORMATION ON PRECISION, ACCURACY, COMPLETENESS, AND METHOD DETECTION LIMITS; DATA SAMPLING PROCEDURES ASSOCIATED WITH THE MEASUREMENT TASK, INCLUDING PERFORMANCE ASPECTS SUCH AS SAMPLE HANDLING, CALIBRATING, AND ANALYSIS; AND MANAGEMENT AND DATA ASSESSMENT REPORTS DOCUMENTING AND EVALUATING THE MEASUREMENT METHOD. THIS VOLUME CONTAINS 36 PAPERS THAT DESCRIBE NEW CONCEPTS AND APPROACHES TO MEASURING AND MONITORING CHEMICAL, PHYSICAL, AND BIOLOGICAL CONTAMINANTS IN THE ENVIRONMENT TO DETERMINING ENVIRONMENTAL QUALITY. AREAS EMPHASIZED UNDER SPECIAL TOPICS INCLUDE METEOROLOGICAL MEASUREMENTS; THE AMES TEST; ATMOSPHERIC ACID DEPOSITION; AND PERSONAL EXPOSURE MONITORING.

AVAILABILITY: AMERICAN SOCIETY OF TESTING AND MATERIALS, 1916 RACE STREET, PHILADELPHIA, PA 19103

IRIS ACCESSION NUMBER: EW013175

PUBLICATION DATE: 85

TITLE: MULTISPECIES TOXICITY TESTING.

PERSONAL AUTHOR: CAIRNS, JOHN, JR., ED.

DESCRIPTOR: *CASE HISTORIES; *INDUSTRY; *REGULATIONS; *RESEARCH; RIVERS; TOXICOLOGY; TOXIC SUBSTANCES; *TOXICITY TESTS

DESCRIPTIVE NOTE: 288P. PRICE: $37.50

ABSTRACT: THIS VOLUME DISCUSSES THE SCIENTIFIC, REGULATORY, AND INDUSTRIAL USE OR PROBLEMS ASSOCIATED WITH THE DEVELOPMENT AND USE OF MULTISPECIES TOXICITY TESTS. SOME CASE HISTORIES ARE INCLUDED, ALONG WITH SECTIONS ON SUCH PROBLEMS AS QUALITY ASSURANCE AND REPLICATION. ALSO INCLUDED ARE THE VARIABILITY AND COMPLEXITY OF RIVER ECOSYSTEMS.

AVAILABILITY: PERGAMON PRESS, INC., MAXWELL HOUSE, FAIRVIEW PARK, ELMSFORD, NY 10523

IRIS ACCESSION NUMBER: EW013176

PUBLICATION DATE: 84

TITLE: WATER SUPPLY WITHIN NATIONAL AND INTERNATIONAL LEGISLATION PLUS DISTRIBUTION IN WATER SUPPLY. VOLUME 2, NUMBER 1.

PERSONAL AUTHOR: SNEL, M. J., ED.; REED, E. C., ED.

DESCRIPTOR: FRANCE; *LEGISLATION; NETHERLANDS; *REGULATIONS; *WATER DISTRIBUTION; *WATER SUPPLY; *WORLD PROBLEMS

DESCRIPTIVE NOTE: PRICE: $132.00

ABSTRACT: THE FIRST PART OF VOLUME 2, NUMBER 1, PROVIDES AN INTRODUCTION TO THE SUBJECT OF NATIONAL AND INTERNATIONAL WATER LEGISLATION AND PRESENTS FOUR PAPERS ON THE LEGAL ASPECTS OF PROVIDING WATER IN THE NETHERLANDS AND FRANCE (ONLY ONE PAPER IS IN ENGLISH). THE SECOND SECTION OF THIS VOLUME DEALS WITH PROBLEMS ENCOUNTERED IN DISTRIBUTING POTABLE WATER. SUBJECTS RANGE FROM REMOTE MONITORING TO LEAK DETECTION TO PIPE-PATH ANALYSIS.

AVAILABILITY: PERGAMON PRESS, MAXWELL HOUSE, FAIRVIEW PARK, ELMSFORD, NY 10523

IRIS ACCESSION NUMBER: EW013177
PUBLICATION DATE: 85

TITLE: SAFE WATER FOR ALL. VOLUME 2, NUMBER 3/4.

PERSONAL AUTHOR: URBISTONDO, R., ED.

DESCRIPTOR: COMMUNICATIONS; *CONFERENCE PROCEEDINGS; *EDUCATION; TRAINING; *WATER SUPPLY; *WORLD PROBLEMS; *WATER POLLUTION CONTROL; *WATER QUALITY

DESCRIPTIVE NOTE: PRICE: $132.00

ABSTRACT: REPORTED ARE THE PROCEEDINGS OF THE 15TH WORLD CONGRESS OF THE INTERNATIONAL WATER SUPPLY ASSOCIATION, HELD IN MONASTIR, TUNISIA, OCT. 29-NOV. 2, 1984. A GENERAL REPORT SECTION--DEALING WITH PROTECTION OF SURFACE SOURCES, CONSUMER COMMUNICATIONS, AND TRAINING AND EDUCATION FOR OPERATORS OF SMALL SYSTEMS-- IS FOLLOWED BY THE SPECIAL SECTION THAT ADDRESSES WORLDWIDE WATER CONCERNS.

AVAILABILITY: PERGAMON PRESS, MAXWELL HOUSE, FAIRVIEW PARK, ELMSFORD, NY 10523

IRIS ACCESSION NUMBER: EW013178

TITLE: BASIC LANGUAGE PROGRAMS FOR STORM SEWER ANALYSIS AND DESIGN.

PERSONAL AUTHOR: GOLDING, BERNARD L.

DESCRIPTOR: *COMPUTER APPLICATIONS; *COMPUTER SOFTWARE; *COMPUTER PROGRAMS; *BASIC LANGUAGE; *DESIGN; *SEWERS; *STORM SEWERS; *SURFACE RUNOFF; *WASTEWATER COLLECTION

DESCRIPTIVE NOTE: PRICE: $100.00

ABSTRACT: THIS BOOK CONTAINS EIGHT BASIC LANGUAGE INTERACTIVE PROGRAMS FOR THE ANALYSIS AND DESIGN OF STORM SEWER SYSTEMS BY THE RATIONAL METHOD. ALL OF THE PROGRAMS MAKE EXTENSIVE USE OF DISK FILES AND ARE EASY TO USE AND APPLY. EACH PROGRAM INCLUDES A FULL EXPLANATION OF THE THEORY AND PROGRAM OPERATION, DETAILED STEP-BY-STEP USER INSTRUCTIONS AND SAMPLE PROBLEMS. THE FIRST THREE PROGRAMS ARE FOR THE ANALYSIS OF EXISTING STORM SEWER SYSTEMS. THE SECOND THREE PROGRAMS ARE FOR THE DESIGN OF STORM SEWER SYSTEMS. A SEVENTH PROGRAM WILL STORE RAINFALL INTENSITY-DURATION DATA ON DISK FILES. AS AN ALTERNATIVE, AN EQUATION FOR RAINFALL INTENSITY-DURATION DATA MAY BE USED. AN EIGHTH PROGRAM WILL COMPUTE A HYDRAULIC GRADE LINE UP A STORM SEWER SYSTEM UNDER PRESSURE.

AVAILABILITY: HILBERN ENGINEERING SOFTWARE, 8982 ISLESWORTH COURT, BAY HILL, ORLANDO, FL 32819

IRIS ACCESSION NUMBER: EW013179
PUBLICATION DATE: 83

TITLE: SANTA BARBARA URBAN HYDROGRAPH METHOD UTILIZING RUNOFF CURVE NUMBERS.

PERSONAL AUTHOR: GOLDING, BERNARD L.

DESCRIPTOR: *CALIFORNIA; *COMPUTER APPLICATIONS; *COMPUTER PROGRAMS; *COMPUTER SOFTWARE; *BASIC LANGUAGE; *HYDROLOGY; *HYDROGRAPHS; *MANAGEMENT; *PLANNING; *RAINFALL; *SANTA BARBARA; *SURFACE RUNOFF; *WATER MANAGEMENT

DESCRIPTIVE NOTE: 45P. PRICE: $25.00

ABSTRACT: IN THIS PROGRAM, RAINFALL-EXCESS INCREMENTS ARE COMPUTED BY A MODIFICATION OF THE STANDARD SOIL CONSERVATION SERVICE RAINFALL-RUNOFF EQUATION. IN THIS MODIFICATION RUNOFF IS ASSUMED TO COME FROM THREE SOURCES: FROM THE URBAN DIRECTLY CONNECTED IMPERVIOUS AREA, FROM THE URBAN PERVIOUS (GRASSED) AND NON-DIRECTLY CONNECTED IMPERVIOUS AREAS, AND FROM THE RURAL AREAS. THE SUMMED RAINFALL-EXCESS INCREMENTS ARE THEN ROUTED THROUGH AN IMAGINARY LINEAR RESERVOIR WITH A TIME DELAY EQUAL TO THE TIME OF CONCENTRATION OF THE BASIN (SANTA BARBARA ROUTING). THE COMPUTED RUNOFF HYDROGRAPH IS THEN PLOTTED WHICH PLOT ROUTINE WILL WORK ON ANY DOT-MATRIX PRINTER. THE SEQUENTIAL RAINFALL INCREMENTS COMPRISING THE DESIGN STORM MAY BE STORED ON A DISK FILE (A SHORT PROGRAM TO STORE THESE INCREMENTS IS ALSO INCLUDED) OR PLACED IN THE MAIN PROGRAM AS DATA STATEMENTS. HYDROGRAPHS COMPUTED BY THIS PROCEDURE MEET THE REQUIREMENTS OF THE WATER MANAGEMENT DISTRICTS AND MOST MUNICIPALITIES AND CITIES. THE PROGRAMS ARE FULLY INTERACTIVE AND USER-FRIENDLY. FULL EXPLANATIONS, USER INSTRUCTIONS, SAMPLE PROBLEMS AND PROGRAM LISTINGS ARE INCLUDED.

AVAILABILITY: HILBERN ENGINEERING SOFTWARE, 8982 ISLESWORTH COURT, BAY HILL, ORLANDO, FL 32819

IRIS ACCESSION NUMBER: EW013181

PUBLICATION DATE: NOV 85

TITLE: MANAGEMENT OF UNCONTROLLED HAZARDOUS WASTE SITES--1985.

DESCRIPTOR: CLEANUP; IDENTIFICATION; EVALUATION; *HAZARDOUS MATERIALS; *HAZARDOUS WASTES; *MANAGEMENT; MONITORING; REGULATIONS; RISK ASSESSMENT; *WASTE SITES; SITE EVALUATION; *WASTE DISPOSAL; *WASTE TREATMENT

DESCRIPTIVE NOTE: 490P. PRICE: $45.00. ORDER NO.: UHW5

ABSTRACT: THE CONTENTS OF THIS PUBLICATION INCLUDE MORE THAN 100 PAPERS ON PRACTICAL ASPECTS OF SUPERFUND ACTIVITIES UTILIZED TO DISCOVER, IDENTIFY, ASSESS, EVALUATE, REMEDIATE, MONITOR AND CLOSE A SUPERFUND SITE. THE SUBJECTS ARE: SITE REMEDIATION; CONTAMINATED GROUNDWATER CONTROL; RISK ASSESSMENT/DECISION ANALYSIS; ALTERNATIVE TECHNOLOGY; SCREENING TECHNIQUES; PUBLIC PARTICIPATION; SITE DISCOVERY AND ASSESSMENT; LEACHATE CONTROL; SITE SAFETY; COST; AIR

MONITORING: ENDANGERMENT ASSESSMENT; FATE OF CONTAMINANTS; IN-SITU AND ON-SITE TREATMENT; SAMPLING; ULTIMATE DISPOSAL; PERSONNEL SAFETY; BARRIER TECHNOLOGY; POLICY AND LITIGATION ISSUES.

AVAILABILITY: HMCRI, PUBLICATIONS DEPT., 9300 COLUMBIA BLVD., SILVER SPRING, MD 20910

IRIS ACCESSION NUMBER: EW013183

PUBLICATION DATE: 86

TITLE: HAZARDOUS WASTES AND HAZARDOUS MATERIALS--1986.

DESCRIPTOR: ECONOMICS; *HAZARDOUS MATERIALS; *HAZARDOUS WASTES; *ENVIRONMENT; COSTS; *POLICIES; *RCRA; *REGULATIONS; MONITORING; *POLLUTION CONTROL

DESCRIPTIVE NOTE: 470P. PRICE: $45.00. ORDER NO.: HWHM86

ABSTRACT: THE RCRA AMENDMENTS OF 1984 HAVE EXTENSIVELY INCREASED THE IMPACT ON AND CONTROL OF HAZARDOUS WASTES THAT END UP IN OUR ENVIRONMENT. THESE PROCEEDINGS INCLUDE INTERPRETATIONS OF POLICY AND IMPLEMENTATION OF THE ATTENDANT TECHNOLOGY. CHAPTERS INCLUDE: EPA AND STATE POLICIES, TREATMENT OF CONTAMINATED SOILS AND WASTES, CONTAMINATED GROUNDWATER CONTROL, COSTS AND ECONOMICS, MONITORING REQUIREMENTS AND TECHNIQUES, LEAKING TANK DETECTION, INCINERATION, SAMPLING AND ANALYTICAL TECHNIQUES, EQUIPMENT FOR EVALUATING SITES, SITE REMEDIATION AND MORE.
AVAILABILITY: HMCRI, PUBLICATIONS DEPT., 9300 COLUMBIA BLVD., SILVER SPRING, MD 20910

IRIS ACCESSION NUMBER: EW013184

PUBLICATION DATE: 85

TITLE: ENVIRONMENT AND ECONOMICS.

DESCRIPTOR: ATTITUDES; ECONOMIC DEVELOPMENT; *ECONOMICS; *ENVIRONMENT; ENVIRONMENTAL PROTECTION; *ISSUES; *MANAGEMENT; *POLICIES

DESCRIPTIVE NOTE: 248P. PRICE: $24.00

ABSTRACT: THIS VOLUME EXAMINES THE NEW POLICIES REQUIRED TO DEAL WITH THE ENVIRONMENTAL ISSUES IN A MORE EFFECTIVE AND ECONOMICALLY EFFICIENT MANNER. IT ALSO LOOKS AT THE CHANGES IN ATTITUDES, MANAGEMENT BEHAVIOR, ENVIRONMENTAL ISSUES, AND THE RELATIONSHIP BETWEEN ENVIRONMENTAL PROTECTION AND ECONOMIC DEVELOPMENT THAT HAS OCCURRED IN RECENT YEARS.

AVAILABILITY: OECD PUBLICATIONS AND INFORMATION CENTER, 1750 PENNSYLVANIA AVE., NW, SUITE 1207, WASHINGTON, DC 20006-4582

IRIS ACCESSION NUMBER: EW013185

PUBLICATION DATE: 85

TITLE: TRANSFRONTIER MOVEMENTS OF HAZARDOUS WASTES: LEGAL AND INSTITUTIONAL ASPECTS.

DESCRIPTOR: *ENVIRONMENT; *ENVIRONMENTAL PROTECTION; *HAZARDOUS WASTES; INSURANCE; *LEGAL ISSUES; LIABILITY; POLLUTION CONTROL; SEMINARS; *TRANSPORTATION; *WORLD PROBLEMS

DESCRIPTIVE NOTE: 304P. PRICE: $28.00

ABSTRACT: RECENT EVENTS HAVE SHOWN THE NEED FOR MORE EFFECTIVE CONTROL OF TRANSFRONTIER MOVEMENTS OF HAZARDOUS WASTE. AS PART OF A NEW OECD FOCUS ON THIS PROBLEM, THIS COLLECTION OF PAPERS, PRESENTED AT AN OECD SEMINAR, ADDRESSES A NUMBER OF LEGAL AND INSTITUTIONAL ISSUES WHICH ARISE IN PROTECTING THE ENVIRONMENT AGAINST POTENTIAL RISKS CREATED BY HAZARDOUS WASTE. PARTICULAR ATTENTION IS PAID TO THE RESPONSIBILITIES OF THE PARTIES CONCERNED, THEIR LIABILITY AND INSURANCE MATTERS.

AVAILABILITY: OECD PUBLICATIONS AND INFORMATION CENTER, 1750 PENNSYLVANIA AVE., NW, SUITE 1207, WASHINGTON, DC 20006-4582

IRIS ACCESSION NUMBER: EW013186

PUBLICATION DATE: 85
TITLE: ENVIRONMENTAL POLICY AND TECHNICAL CHANGE.

DESCRIPTOR: *ENVIRONMENT; *ENVIRONMENTAL PROTECTION; *INDUSTRY; *POLICIES; *POLLUTION CONTROL; *TECHNICAL CHANGE

DESCRIPTIVE NOTE: 103P. PRICE: $18.00

ABSTRACT: THIS STUDY EXAMINES TO WHAT EXTENT ENVIRONMENTAL POLICIES, PARTICULARLY POLLUTION CONTROL, AFFECT TECHNICAL CHANGE IN INDUSTRY. IT ALSO SUGGESTS POLICIES THAT WILL MUTUALLY REINFORCE ENVIRONMENTAL PROTECTION AND TECHNICAL INNOVATION.

AVAILABILITY: OECD PUBLICATIONS AND INFORMATION CENTER, 1750 PENNSYLVANIA AVE., NW., SUITE 1207, WASHINGTON, DC 20006-4582

IRIS ACCESSION NUMBER: EW013187

PUBLICATION DATE: 85

TITLE: THE MACRO-ECONOMIC IMPACT OF ENVIRONMENTAL EXPENDITURE.

DESCRIPTOR: *ECONOMIC GROWTH; *ECONOMICS; *ECONOMIC IMPACT; *ENVIRONMENT; *POLICIES

DESCRIPTIVE NOTE: 120P. PRICE: $15.00

ABSTRACT: POLICIES TO PROTECT THE ENVIRONMENT HAVE SOMETIMES BEEN BLAMED FOR HAMPERING ECONOMIC GROWTH. THIS REPORT ASSESSES THE ECONOMIC IMPACT OF SUCH POLICIES AND CONCLUDES THAT THEY ARE UNLIKELY TO BE A MAJOR CONSTRAINT ON GROWTH IN THE FORESEEABLE FUTURE.

AVAILABILITY: OECD PUBLICATIONS AND INFORMATION CENTER, 1750 PENNSYLVANIA AVE., NW, SUITE 1207, WASHINGTON, DC 20006-4582

IRIS ACCESSION NUMBER: EW013188

PUBLICATION DATE: 83

TITLE: ENVIRONMENTAL EFFECTS OF ENERGY SYSTEMS: THE OECD COMPASS PROJECT.

DESCRIPTOR: *COMPASS PROJECT; *ENERGY; *ENERGY CONSERVATION; *ENVIRONMENTAL IMPACT; *OECD; POLICIES

DESCRIPTIVE NOTE: 138P. PRICE: $12.00

ABSTRACT: THIS PUBLICATION SHOWS HOW ENVIRONMENTAL IMPACT CAN BE SIGNIFICANTLY REDUCED BY POLICIES WHICH ENCOURAGE MORE EFFICIENT USE OF ENERGY.

AVAILABILITY: OECD PUBLICATIONS AND INFORMATION CENTER, 1750 PENNSYLVANIA AVE., NW, SUITE 1207, WASHINGTON, DC 20006-4582

IRIS ACCESSION NUMBER: EW013189

PUBLICATION DATE: 86

TITLE: POSSIBLE LONG-TERM HEALTH EFFECTS OF SHORT-TERM EXPOSURE TO CHEMICAL AGENTS, VOLUME 3.

DESCRIPTOR: *CHEMICAL EXPOSURE; *HEALTH EFFECTS; *MILITARY RESEARCH; *U.S. ARMY

DESCRIPTIVE NOTE: 102P.

ABSTRACT: THIS IS THE REPORT OF A STUDY TO INVESTIGATE THE LONG-TERM EFFECTS OF CHEMICALS (USED IN SPECIAL TESTS) ON SOLDIERS. THE STUDY CONFIRMED WHAT TWO EARLIER REPORTS SUGGESTED. THE SOLDIERS APPEARED TO HAVE SUFFERED NO MAJOR LONG-TERM HEALTH EFFECTS FROM THE CHEMICAL TESTING.

AVAILABILITY: NATIONAL ACADEMY OF SCIENCE, 2101 CONSTITUTION AVE. NW, WASHINGTON, DC 20418

IRIS ACCESSION NUMBER: EW013190

PUBLICATION DATE: FEB 86

TITLE: SPECIAL REPORT: UNDERGROUND STORAGE TANK CONTROL.

PERSONAL AUTHOR: CHEREMISINOFF, P. N.; AND OTHERS

DESCRIPTOR: *GROUNDWATER; *LEAKS; *LEAK DETECTION; *POLLUTION CONTROL; *STORAGE TANKS; *UNDERGROUND STORAGE TANKS; *WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 22-29P.

ABSTRACT: THIS ARTICLE PRESENTS INFORMATION ON CAUSES OF UNDERGROUND STORAGE TANK LEAKS, WAYS TO ELIMINATE OR REDUCE UNDERGROUND STORAGE TANK LEAKS, AND PROCEDURES FOR DETECTING LEAKS.

AVAILABILITY: POLLUTION ENGINEERING; V18 N2

IRIS ACCESSION NUMBER: EW013191

PUBLICATION DATE: FEB 86

TITLE: PLANNING MAKES LEACHATE TREATMENT POSSIBLE.

PERSONAL AUTHOR: WEGENER, RAYMOND W.

DESCRIPTOR: *DESIGN; *LEACHATE; *LANDFILLS; *FACILITIES; *PLANNING; *POLLUTION CONTROL; *SOLID WASTES; *LEACHATE TREATMENT; *WASTE DISPOSAL; *WASTE TREATMENT

DESCRIPTIVE NOTE: 36-37P.

ABSTRACT: THIS ARTICLE DISCUSSES SOME OF THE EXPERIENCES OF A NEW YORK COMMUNITY IN DEVELOPING AN APPROPRIATE LEACHATE TREATABILITY STUDY AND TRANSLATING THE RESULTS INTO A FUNCTIONAL TREATMENT FACILITY AT A COST ACCEPTABLE TO THE TOWN. THE LANDFILL FOR WHICH THE TREATMENT PLAN WAS DEVELOPED WAS IN A LOCATION WHERE SEWERS WERE AVAILABLE.

AVAILABILITY: POLLUTION ENGINEERING; V18 N2

IRIS ACCESSION NUMBER: EW013192

PUBLICATION DATE: FEB 86

TITLE: GETTING CONTROL OF INDUSTRIAL WASTEWATER TREATMENT.

PERSONAL AUTHOR: ERICKSON, JOHN

DESCRIPTOR: *COMPUTER CONTROL SYSTEMS; *INDUSTRIAL WASTES; *OPERATIONS (WASTEWATER); *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 42-46P.

ABSTRACT: DESCRIBED IS AN INDUSTRIAL WASTEWATER TREATMENT CONTROL SYSTEM FOR A PLANT THAT TREATS WASTEWATER FOR METALS, ACIDS, AND BASES.

AVAILABILITY: POLLUTION ENGINEERING; V18 N2

IRIS ACCESSION NUMBER: EW013193
PUBLICATION DATE: FEB 86

TITLE: UNDERGROUND LEAKS: TRUE CORPORATE COSTS.

PERSONAL AUTHOR: TUSA, WAYNE

DESCRIPTOR: *CHEMICALS; *COSTS; *CORPORATE FINANCIAL LIABILITIES; *LEAKS; *LIABILITY; *REMEDIATION; *POLLUTION CONTROL; *STORAGE TANKS; *UNDERGROUND STORAGE TANKS

DESCRIPTIVE NOTE: 68-81P.

ABSTRACT: THIS ARTICLE PROVIDES INFORMATION ON THE TYPICAL COSTS ASSOCIATED WITH TANK FAILURES AND PROVIDES A BRIEF DISCUSSION OF THOSE FACTORS WHICH IMPACT THE TOTAL COSTS FACING ANY PARTICULAR CORPORATION.

AVAILABILITY: POLLUTION ENGINEERING; V18 N2

IRIS ACCESSION NUMBER: EW013194

PUBLICATION DATE: FEB 86

TITLE: PROJECTION SCREENS: A PRIMER. PART I.

PERSONAL AUTHOR: VAUGHAN, TED W.

DESCRIPTOR: *AUDIOVISUAL AIDS; *EQUIPMENT; *PROJECTION SCREENS; *SELECTION CRITERIA

DESCRIPTIVE NOTE: 34-35P.

ABSTRACT: INFORMATION IS PRESENTED ON DIFFERENT TYPES OF PROJECTION SCREENS AND SCREEN SURFACES AND HOW TO CHOOSE THE CORRECT ONE FOR YOUR APPLICATION.

AVAILABILITY: TECHNICAL PHOTOGRAPHY; V18 N2

IRIS ACCESSION NUMBER: EW013195

PUBLICATION DATE: FEB 86

TITLE: VCR DECISION-MAKING: BASIC PURCHASE GUIDELINES.

PERSONAL AUTHOR: WALTON, DAVE

DESCRIPTOR: *AUDIOVISUAL AIDS; *EQUIPMENT; *PURCHASING; *PURCHASE GUIDELINES; *VIDEOCASSETTE RECORDERS

DESCRIPTIVE NOTE: 36-37P.

ABSTRACT: INFORMATION IS PRESENTED TO ASSIST IN MAKING A PURCHASING DECISION OF A VCR.

AVAILABILITY: TECHNICAL PHOTOGRAPHY; V18 N2

IRIS ACCESSION NUMBER: EW013196
PUBLICATION DATE: JUL 85

TITLE: EMERGENCIES TECHNOLOGY DEVELOPMENT: A MID-YEAR REPORT ON CURRENT PROJECTS.

PERSONAL AUTHOR: MEIKLE, K. M.

DESCRIPTOR: *CANADA; *ENGINEERING; *CLEANUP; *PROGRAM DESCRIPTIONS; *OIL SPILLS; *RESEARCH PROJECTS; *TECHNOLOGY; *WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 40-46P.

ABSTRACT: THIS IS A REPORT OF THE ENVIRONMENTAL EMERGENCIES TECHNOLOGY DIVISION OF ENVIRONMENT CANADAS' CURRENT SPILL TECHNOLOGY RESEARCH PROJECTS.

AVAILABILITY: SPILL TECHNOLOGY NEWSLETTER; V10 N4-6

IRIS ACCESSION NUMBER: EW013197

PUBLICATION DATE: JUL 85

TITLE: THE EFFECTIVENESS OF OIL SPILL DISPERSANTS.

PERSONAL AUTHOR: FINGAS, MERV

DESCRIPTOR: *CLEANUP; *DISPERSANTS; *LABORATORY TESTS; *OIL SPILLS; *PERFORMANCE EVALUATION; *RESEARCH; *WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 47-64P.

ABSTRACT: THIS ARTICLE PRESENTS A REVIEW OF OIL SPILL DISPERSANTS AS DEDUCED FROM BOTH LABORATORY TESTS AND OBSERVATIONS.

AVAILABILITY: SPILL TECHNOLOGY NEWSLETTER; V10 N4-6

IRIS ACCESSION NUMBER: EW013198

PUBLICATION DATE: FEB 86

TITLE: IRON/MANGANESE PROBLEM SOLVED AT COLORADO RESORT.

DESCRIPTOR: *COLORADO; *DRINKING WATER; *IRON; *MANGANESE; *OPERATIONS (WATER); *WATER TREATMENT

DESCRIPTIVE NOTE: 13-14P.

ABSTRACT: DESCRIBED ARE PROCEDURES USED FOR REMOVING IRON AND MANGANESE FROM A COLORADO WATER SUPPLY.

AVAILABILITY: WATER ENGINEERING AND MANAGEMENT; V133 N2

IRIS ACCESSION NUMBER: EW013199
PUBLICATION DATE: FEB 86

TITLE: AMR: A PRESENT AND FUTURE READING.

PERSONAL AUTHOR: KIDDER, WILLIAM

DESCRIPTOR: *AUTOMATIC METER READING; *METERS; *METER READING; *UTILITIES

DESCRIPTIVE NOTE: 22-24P.

ABSTRACT: MORE THAN JUST TECHNICAL BARRIERS HAVE TO BE BROKEN DOWN BEFORE AUTOMATIC METER READING, OR AMR, BECOMES COMMONPLACE. USE OF TELEPHONE LINES, COSTS, AND POSSIBLE SYSTEMS ARE CONSIDERED.

AVAILABILITY: WATER ENGINEERING AND MANAGEMENT; V133 N2

IRIS ACCESSION NUMBER: EW013200

PUBLICATION DATE: FEB 86

TITLE: PRESS GANG CURES SLUDGE OVERLOAD PROBLEM.

PERSONAL AUTHOR: GOEL, K. C.

DESCRIPTOR: *DEWATERING; *EQUIPMENT; *FACILITIES; *FILTER BELT PRESSES; *OPERATIONS (WASTEWATER); *PERFORMANCE EVALUATION; *SLUDGE; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 25-27P.

ABSTRACT: PERFORMANCE SPECS ARE BEING MET BY FILTER BELT PRESSES IN A MUNICIPAL SLUDGE DEWATERING FACILITY.

AVAILABILITY: WATER ENGINEERING AND MANAGEMENT; V133 N2

IRIS ACCESSION NUMBER: EW013201

PUBLICATION DATE: FEB 86

TITLE: SEWER REHAB USING A NEW SUBAREA METHOD.

PERSONAL AUTHOR: FERNANDEZ, R. B.

DESCRIPTOR: *GROUNDWATER; *INFILTRATION; *INFLOW; *MAINTENANCE; *MONITORING; *REHABILITATION; *SEWERS; *WASTEWATER COLLECTION

DESCRIPTIVE NOTE: 28-30P.

ABSTRACT: DATA GATHERED DURING AN INFILTRATION STUDY WERE USED TO DEVELOP A NEW APPROACH TO WASTEWATER COLLECTION SYSTEM EVALUATION AND REHABILITATION.

AVAILABILITY: WATER ENGINEERING AND MANAGEMENT; V133 N2

IRIS ACCESSION NUMBER: EW013202
PUBLICATION DATE: FEB 86

TITLE: INSTRUMENTATION COORDINATOR FOCUSES CONSTRUCTION TEAM EFFORT.

PERSONAL AUTHOR: SWEENEY, MICHAEL W.; WILLIAMS, CLAUDE N.

DESCRIPTOR: COMPUTER APPLICATIONS; *CONTROL SYSTEMS; DESIGN; CONSTRUCTION; *INSTRUMENTATION; *OPERATIONS (WASTEWATER); PLANNING; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 31-33P.

ABSTRACT: A SKILLED INSTRUMENTATION AND CONTROL SPECIALIST COORDINATED THE WORK OF THE DESIGN/CONSTRUCTION TEAM ON AN INDIANA WASTEWATER PROJECT.

AVAILABILITY: WATER ENGINEERING AND MAMAGEMENT; V133 N2

IRIS ACCESSION NUMBER: EW013203

PUBLICATION DATE: JAN 86

TITLE: ACCIDENT RISKS IN NUCLEAR FACILITIES. 1981-1983 (CITATIONS FROM THE NTIS DATA BASE).

DESCRIPTOR: *ACCIDENTS; *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *ENVIRONMENTAL EFFECTS; *FACILITIES; *NUCLEAR FACILITIES; *RADIOACTIVE MATERIALS; *RADIATION; *RISK ASSESSMENT; *TRANSPORTATION

DESCRIPTIVE NOTE: 217P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-855376/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING RISK ANALYSIS AND HAZARDS EVALUATION OF THE DESIGN, CONSTRUCTION, AND OPERATION OF NUCLEAR FACILITIES, INCLUDING THE RISK AND HAZARDS OF TRANSPORTING RADIOACTIVE MATERIALS TO AND FROM THESE FACILITIES. RADIOLOGICAL CALCULATIONS FOR ENVIRONMENTAL EFFECTS OF NUCLEAR ACCIDENTS, AND THE USE OF COMPUTER MODELS IN RISK ANALYSIS ARE ALSO INCLUDED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 254 CITATIONS, NONE OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013204

PUBLICATION DATE: JAN 86

TITLE: ACCIDENT RISKS IN NUCLEAR FACILITIES. 1984-JANUARY 1986 (CITATIONS FROM THE NTIS DATA BASE).

DESCRIPTOR: *ACCIDENTS; *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *ENVIRONMENTAL EFFECTS; *FACILITIES; *NUCLEAR FACILITIES; *RADIOACTIVE MATERIALS; *RADIATION; *RISK ASSESSMENT; *TRANSPORTATION

DESCRIPTIVE NOTE: 166P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-855384/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING RISK ANALYSIS AND HAZARDS EVALUATION OF THE DESIGN, CONSTRUCTION, AND OPERATION OF NUCLEAR FACILITIES, INCLUDING THE RISK AND HAZARDS OF TRANSPORTING RADIOACTIVE MATERIALS TO AND FROM THESE FACILITIES. RADIOLOGICAL CALCULATIONS FOR ENVIRONMENTAL EFFECTS OF NUCLEAR ACCIDENTS, AND THE USE OF COMPUTER MODELS IN RISK ANALYSIS ARE ALSO INCLUDED. (THIS UPDATED BIBLIOGTAPHY CONTAINS 181 CITATIONS, ALL OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013205

PUBLICATION DATE: APR 85

TITLE: ACID RAIN: A PRIMER ON WHAT, WHERE, AND HOW MUCH.

PERSONAL AUTHOR: BARCHET, W. R.

DESCRIPTOR: *AIR QUALITY; *ACID RAIN; *CHEMISTRY; *ENVIRONMENTAL IMPACT; *WATER QUALITY

DESCRIPTIVE NOTE: 26P. PRICE CODE: PC A03/MF A01. ORDER NO.: DE85017864/WEP

ABSTRACT: ACID RAIN IS INTRODUCED BY DEFINING ITS COMPONENTS: WET AND DRY DEPOSITION. DATA BASES ON PRECIPITATION CHEMISTRY FROM SEVERAL MONITORING NETWORKS ARE USED TO SHOW WHERE ACID RAIN OCCURS. PRECIPITATION CHEMISTRY AND AIR QUALITY DATA ARE USED TO DISCUSS WHAT IS IN ACID RAIN. MAPS OF THE DEPOSITION OF THE MAJOR CONSTITUENTS OF WET DEPOSITION ARE PRESENTED TO CONTRAST THE AMOUNT OF MATERIAL DEPOSITED (DEPOSITION) IN ACID RAIN WITH ITS COMPOSITION (CONCENTRATION). THE INTERACTIONS OF ACID RAIN WITH THE SURFACES ON WHICH IT FALLS ARE USED TO TRACE THE PATHS BY WHICH ACID RAIN REACHES SURFACE AND SOIL WATERS. IMPLICATIONS OF ACID RAIN EFFECTS ARE INTRODUCED BUT NOT DISCUSSED IN DETAIL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013206

PUBLICATION DATE: DEC 84

TITLE: ALACHLOR: SPECIAL REVIEW POSITION. DOCUMENT 1.

DESCRIPTOR: *ALACHLOR; *HEALTH EFFECTS; *PESTICIDES; *REGULATIONS; *RISK ASSESSMENT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 98P. PRICE CODE: PC A05/MF A01. ORDER NO.: PB86-118221/WEP

ABSTRACT: THE OFFICE OF PESTICIDE PROGRAMS, U.S. ENVIRONMENTAL PROTECTION AGENCY (U.S. EPA) HAS PREPARED AN ALACHLOR POSITION DOCUMENT. THE DOCUMENT PRESENTS THE BASIS FOR THE INITIATION OF A SPECIAL REVIEW OF ALL PESTICIDE PRODUCTS CONTAINING THE ACTIVE INGREDIENT ALACHLOR. THE ALACHLOR DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: REGULATORY AND LEGAL BACKGROUND OF ALACHLOR, QUALITATIVE RISK ASSESSMENT, INCLUDING METABOLIC AND PHARMACOKINETIC, PROPERTIES, SHORT-TERM TESTS, ONCOGENICITY AND HUMAN STUDIES, EXPOSURE ASSESSMENT, DIETARY RISKS AND APPLICATOR RISKS, AND BENEFITS SUMMARY.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013207

PUBLICATION DATE: DEC 85

TITLE: ARTIFICIAL RECHARGE OF AQUIFERS. 1977-1985 (CITATIONS FROM THE SELECTED WATER RESOURCES ABSTRACTS DATA BASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; *AQUIFERS; BIBLIOGRAPHIES; *ARTIFICIAL RECHARGE; *GROUNDWATER; *ENVIRONMENT; *LEGISLATION; *WATER QUALITY; *WATER SUPPLY

DESCRIPTIVE NOTE: 190P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-852746/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE UTILIZATION OF ARTIFICIAL RECHARGE METHODS TO IMPROVE WATER AVAILABILITY AND WATER QUALITY. TOPICS INCLUDE SITE STUDIES AND EVALUATION, THE USE OF IMPOUNDED FRESH WATER AND TREATED WASTE WATER, THE ROLE OF ARTIFICIAL RECHARGE TECHNIQUES IN GROUND WATER RESOURCE MANAGEMENT, INDIVIDUAL STATE PROGRAMS, CONTAMINANT BEHAVIOR, AND THE ENGINEERING ASPECTS OF UTILIZING SPREADING PONDS AND INJECTION WELLS. LEGAL AND ENVIRONMENTAL CONSIDERATIONS AND THE USE OF COMPUTER SIMULATIONS ARE ALSO TREATED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 178 CITATIONS, 17 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013208

PUBLICATION DATE: DEC 85

TITLE: BENZENE TOXICITY. 1978-NOVEMBER 1985 (CITATIONS FROM THE LIFE SCIENCES COLLECTION DATA BASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *BENZENE; *BIOLOGICAL EFFECTS; *OCCUPATIONAL HAZARDS; *TOXICITY

DESCRIPTIVE NOTE: 166P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-852597/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING

TOXICITY OF BENZENE FOLLOWING SHORT AND LONG TERM EXPOSURE. THE METABOLISM, CARCINOGENICITY, AND TERATOGENITIC POTENTIAL OF BENZENE ARE CONSIDERED AND METHODOLOGY TO QUANTITATE ITS PRESENCE IN THE ATMOSPHERE, BODY TISSUES, AND BODY FLUIDS ARE DISCUSSED. OCCUPATIONAL HAZARDS OF BENZENE ARE NOTED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 216 CITATIONS, 17 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013209

PUBLICATION DATE: NOV 85

TITLE: BIOLOGICAL PHOSPHORUS REMOVAL: A TECHNOLOGY EVALUATION.

PERSONAL AUTHOR: TETREAULT, M. J.; AND OTHERS

DESCRIPTOR: *ALTERNATIVE TECHNOLOGY; *BIOLOGICAL PHOSPHORUS; *OPERATIONS (WASTEWATER); *PERFORMANCE EVALUATION; *PHOSPHORUS; *TECHNOLOGY; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 59P. PRICE CODE: PC A04/MF A01. ORDER NO.: PB86-126752/WEP

ABSTRACT: A STUDY OF ALTERNATIVE BIOLOGICAL PHOSPHORUS (BIO-P) REMOVAL PROCESSES WAS UNDERTAKEN TO EVALUATE THEIR EFFECTIVENESS AND RELIABILITY. THIRTY SUCH FACILITIES WERE IDENTIFIED IN THE UNITED STATES AND CANADA. FOUR PLANTS WERE SELECTED FOR DETAILED STUDY. THE PHOSTRIP PROCESS IS USED AT LANSDALE, PENNSYLVANIA AND SAVAGE, MARYLAND AND OPERATIONALLY MODIFIED ACTIVATED SLUDGE PROCESSES ARE USED IN LAKE BUENA VISTA, FLORIDA AND DEPERE, WISCONSIN. THESE FOUR FACILITIES WERE FOUND TO BE CAPABLE OF ACHIEVING EFFLUENT TOTAL PHOSPHORUS CONCENTRATIONS OF 1 MG/L OR LESS WITHOUT TERTIARY TREATMENT.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013210

PUBLICATION DATE: DEC 85

TITLE: CARBON MONOXIDE TOXICITY. 1978-1985 (CITATIONS FROM THE LIFE SCIENCES COLLECTION DATA BASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; *AIR POLLUTION; BIBLIOGRAPHIES; *BIOLOGICAL EFFECTS; *CARBON MONOXIDE; *HEALTH; *OCCUPATIONAL EXPOSURE; *POLLUTION; *TOBACCO; *TOXICITY

DESCRIPTIVE NOTE: 204P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-853132/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE MECHANISM AND CLINICAL MANIFESTATIONS OF CARBON MONOXIDE EXPOSURE, INCLUDING THE EFFECTS ON THE LIVER, CARDIOVASCULAR, AND NERVOUS SYSTEMS. AIR POLLUTION, TOBACCO SMOKING, AND OCCUPATIONAL EXPOSURE ARE DISCUSSED AS PRIMARY SOURCES OF CARBON MONOXIDE EXPOSURE. THE EFFECTS OF CIGARETTE SMOKING ON FETAL DEVELOPMENT AND HEALTH ARE ALSO CONSIDERED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 282 CITATIONS, 12 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013211

PUBLICATION DATE: DEC 85

TITLE: CHROMIUM TOXICITY. 1978-1985 (CITATIONS FROM THE LIFE SCIENCES COLLECTION DATA BASE).

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *BIOLOGY; *CHROMIUM; *ENVIRONMENTAL EFFECTS; METALS; *POLLUTION; *TOXICITY; TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 267P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-853165/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE BIOLOGICAL EFFECTS OF CHROMIUM EXPOSURE. THE EFFECTS ON PROTEIN METABOLISM AND KIDNEY AND LIVER FUNCTION ARE DISCUSSED, AND THE ROLE OF CHROMIUM AS A CARCINOGENIC AGENT AND ITS ANTIGENICITY ARE ALSO CONSIDERED. SOURCES OF CHROMIUM CONTAMINATION INCLUDING OCCUPATIONAL EXPOSURE AND POLLUTION ARE DISCUSSED, AND METHODS OF ANALYSIS ARE DESCRIBED. (\THIS UPDATED BIBLIOGRAPHY CONTAINS 351 CITATIONS, 35 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013212

PUBLICATION DATE: OCT 85

TITLE: DETERMINATION OF CHLORINATED HYDROCARBONS IN INDUSTRIAL AND MUNICIPAL WASTEWATERS.

PERSONAL AUTHOR: FLORANCE, J. R.; AND OTHERS

DESCRIPTOR: *CHEMICALS; *ANALYTICAL TECHNIQUES; *CHLORINATED HYDROCARBONS; *HYDROCARBONS; *INDUSTRIAL WASTEWATER; *MUNICIPAL WASTEWATER; *TOXIC SUBSTANCES; *WASTEWATER

DESCRIPTIVE NOTE: 94P. PRICE CODE: PC A05/MF A01. ORDER NO.: PB86-121357/WEP

ABSTRACT: THE OBJECTIVE OF THE REPORT IS TO PRESENT THE DATA AND THE RESEARCH CARRIED OUT TO DEVELOP AN ANALYTICAL TEST PROCEDURE FOR THE ANALYSIS OF SPECIFIC ORGANIC TOXIC

SUBSTANCES IN EFFLUENT WASTEWATERS. THE PROCEDURE IS FOR THE ANALYSIS OF NINE OF THE 114 PRIORITY OR TOXIC POLLUTANTS IDENTIFIED BY THE EPA AS CATEGORY 3 - CHLORINATED HYDROCARBONS. THE PROCEDURE CONSISTS OF SEVERAL STEPS, INCLUDING EXTRACTION, CONCENTRATION, CLEAN UP, AND QUANTIFICATION BY GAS CHROMATOGRAPHY WITH ELECTRON-CAPTURE DETECTION AND FLAME-IONIZATION. THE REPORT DESCRIBES THE WORK DONE LEADING TO SELECTION OF THE PROCEDURES AND INCLUDES DATA AND INFORMATION ON A LITERATURE SEARCH, SAMPLE PRESERVATION PROCEDURES, ELUTION OF THE COMPOUNDS ON VARIOUS GAS CHROMATOGRAPHIC COLUMNS, SEVERAL SOLVENT EXTRACTION EFFICIENCIES VERSUS PH, STABILITY OF COMPOUNDS IN WATER-SOLUBLE SOLVENTS, SAMPLE EXTRACT CLEAN UP PROCEDURES, AND APPLICATION OF THE PROCEDURES ON EFFLUENT WASTEWATERS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013213

PUBLICATION DATE: OCT 85

TITLE: DETERMINATION OF PHENOLS IN INDUSTRIAL AND MUNICIPAL WASTEWATERS.

PERSONAL AUTHOR: FLORANCE, J. R.; AND OTHERS

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *CHEMICALS; *INDUSTRIAL WASTES; *MUNICIPAL WASTES; *PHENOLS; *RESEARCH REPORTS; *TOXIC SUBSTANCES; *WASTEWATER

DESCRIPTIVE NOTE: 148P. PRICE CODE: PC A07/MF A01. ORDER NO.: PB86-119120/WEP

ABSTRACT: THE OBJECTIVE OF THIS REPORT IS TO PRESENT THE DATA AND THE RESEARCH CARRIED OUT TO DEVELOP AN ANALYTICAL TEST PROCEDURE FOR THE ANALYSIS OF SPECIFIC ORGANIC TOXIC SUBSTANCES IN EFFLUENT WASTEWATERS. THE PROCEDURE IS FOR THE ANALYSIS OF 11 OF THE 114 PRIORITY OR TOXIC POLLUTANTS IDENTIFIED BY THE EPA AS CATEGORY 8 - PHENOLS. THE PROCEDURES CONSIST OF SEVERAL STEPS, INCLUDING EXTRACTION, CONCENTRATION, CLEAN UP, DERIVATIZATION WITH PENTAFLUOROBENZYL BROMIDE, AND QUANTIFICATION BY GAS CHROMATOGRAPHY WITH ELECTRON-CAPTURE DETECTION AND FLAME-IONIZATION. THE REPORT DESCRIBES THE WORK DONE LEADING TO SELECTION OF THE PROCEDURES AND INCLUDES DATA AND INFORMATION ON A LITERATURE SEARCH, SAMPLE PRESERVATION PROCEDURES, ELUTION OF THE COMPOUNDS ON VARIOUS GAS CHROMATOGRAPHIC COLUMNS, SEVERAL SOLVENT EXTRACTION EFFICIENCIES VERSUS PH, STABILITY OF COMPOUNDS IN WATER-SOLUBLE SOLVENTS, SAMPLE EXTRACT CLEAN UP PROCEDURES, AND APPLICATION OF THE PROCEDURES ON EFFLUENT WASTEWATERS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013214

PUBLICATION DATE: JUN 85

TITLE: DISINFECTION, 1985.

PERSONAL AUTHOR: VENOSA, A. P.; ISAAC, R.

DESCRIPTOR: *DISINFECTION; *LITERATURE REVIEWS; *WASTEWATER TREATMENT; *WATER TREATMENT

DESCRIPTIVE NOTE: 10P. PRICE CODE: PC A02/MF A01. ORDER NO.: PB86-110731/WEP

ABSTRACT: THE ARTICLE IS A SUMMARY OF THE LITERATURE PUBLISHED IN THE YEAR 1984 ON THE TOPIC OF WASTEWATER AND WATER DISINFECTION. IT CONSISTS OF A SECTION ON THE MICROBIOLOGY AND KINETICS OF DISINFECTION AND SEVERAL SECTIONS RELATED TO THE CHEMISTRY OF DISINFECTION, INCLUDING ANALYTICAL METHODS, REACTIONS, AND PRODUCTS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013215

PUBLICATION DATE: JAN 86

TITLE: DREDGING: TECHNOLOGY AND ENVIRONMENTAL ASPECTS. 1978-1985 (CITATIONS FROM THE LIFE SCIENCES COLLECTION DATA BASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *DREDGING; *ENVIRONMENTAL IMPACT; *EQUIPMENT; *TECHNOLOGY

DESCRIPTIVE NOTE: 228P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-855913/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE TECHNOLOGY AND ENVIRONMENTAL IMPACTS OF DREDGING. EQUIPMENT, INCLUDING SEMI-SUBMERSIBLE CUTTER PLATFORMS, IS DESCRIBED. SEDIMENT MOVEMENT, FACTORS AFFECTING SEDIMENT MOVEMENT, AND THE DISPOSAL OF DREDGED MATERIAL, ARE DISCUSSED, AND COMPUTER MODELS PREDICTING THE FATE OF THE DREDGED MATERIALS ARE CONSIDERED. THE ENVIRONMENTAL IMPACTS OF THE DREDGED AREAS AND THE EFFECTS OF OCEAN DUMPING OF DREDGED MATERIAL ARE ALSO DISCUSSED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 279 CITATIONS, 43 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013216

PUBLICATION DATE: OCT 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR ACRYLAMIDE (FINAL DRAFT).

DESCRIPTOR: *ACRYLAMIDE; *CRITERIA; *DRAFT DOCUMENT; *DRINKING WATER; *HEALTH EFFECTS; *TOXICOLOGY; *USEPA; *WATER QUALITY

DESCRIPTIVE NOTE: 180P. PRICE CODE: PC A09/MF A01. ORDER NO.: PB86-117744/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON ACRYLAMIDE. THIS CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF ACRYLAMIDE; TOXICOKINETICS AND HUMAN EXPOSURE TO ACRYLAMIDE; HEALTH EFFECTS OF ACRYLAMIDE IN HUMANS AND ANIMALS; MECHANISMS OF TOXICITY OF ACRYLAMIDE; AND QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF ACRYLAMIDE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013217

PUBLICATION DATE: OCT 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR BARIUM (FINAL DRAFT).

DESCRIPTOR: *BARIUM; *CRITERIA; *DRAFT DOCUMENT; *DRINKING WATER; *HEALTH EFFECTS; *TOXICOLOGY; *USEPA; *WATER QUALITY

DESCRIPTIVE NOTE: 160P. PRICE CODE: PC A08/MF A01. ORDER NO.: PB86-118031/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON BARIUM. THIS CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF BARIUM; TOXICOKINETICS AND HUMAN EXPOSURE TO BARIUM; HEALTH EFFECTS OF BARIUM IN HUMANS AND ANIMALS; MECHANISMS OF TOXICITY OF BARIUM; AND QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF BARIUM.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013218

PUBLICATION DATE: APR 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR BENZENE (FINAL DRAFT).

DESCRIPTOR: *BENZENE; *CRITERIA; *DRAFT DOCUMENT; *DRINKING WATER; *HEALTH EFFECTS; *TOXICOLOGY; *USEPA; *WATER QUALITY

DESCRIPTIVE NOTE: 129P. PRICE CODE: PC A07/MF A01. ORDER NO.: PB86-118122/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON BENZENE. THE CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF BENZENE; TOXICOKINETICS AND HUMAN EXPOSURE TO BENZENE; HEALTH EFFECTS OF BENZENE IN HUMANS AND ANIMALS; MECHANISMS OF TOXICITY OF BENZENE; AND QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF BENZENE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013219

PUBLICATION DATE: APR 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR CADMIUM (FINAL DRAFT).

DESCRIPTOR: *CADMIUM; *CRITERIA; *DRAFT DOCUMENT; *DRINKING WATER; *HEALTH EFFECTS; *METALS; *TOXICOLOGY; *USEPA; *WATER QUALITY

DESCRIPTIVE NOTE: 321P. PRICE CODE: PC A14/MF A01. ORDER NO.: PB86-117934/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON CADMIUM. THIS CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF CADMIUM; TOXICOKINETICS AND HUMAN EXPOSURE TO CADMIUM; HEALTH EFFECTS OF CADMIUM IN HUMANS AND ANIMALS; MECHANISMS OF TOXICITY OF CADMIUM; AND QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF CADMIUM.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013220

PUBLICATION DATE: OCT 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR CARBOFURAN (FINAL DRAFT).

DESCRIPTOR: *CARBOFURAN; *CRITERIA; *DRAFT DOCUMENT; *DRINKING WATER; *HEALTH EFFECTS; *TOXICOLOGY; *USEPA; *WATER QUALITY

DESCRIPTIVE NOTE: 105P. PRICE CODE: PC A06/MF A01. ORDER NO.: PB86-118007/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING CRITERIA DOCUMENT ON CARBOFURAN. THIS CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF CARBOFURAN; TOXICOKINETICS AND HUMAN EXPOSURE TO CARBOFURAN; HEALTH EFFECTS OF CARBOFURAN IN HUMANS AND ANIMALS; MECHANISMS OF TOXICITY OF CARBOFURAN; AND QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF CARBOFURAN.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285

PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013221

PUBLICATION DATE: JAN 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR CARBON TETRACHLORIDE (FINAL DRAFT).

DESCRIPTOR: *CARBON TETRACHLORIDE; *CRITERIA; *DRAFT DOCUMENT; *DRINKING WATER; *HEALTH EFFECTS; *TOXICOLOGY; *USEPA; *WATER QUALITY

DESCRIPTIVE NOTE: 142P. PRICE CODE: PC A07/MF A01. ORDER NO.: PB86-118155/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON CARBON TETRACHLORIDE. THE CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF CARBON TETRACHLORIDE; TOXICOKINETICS AND HUMAN EXPOSURE TO CARBON TETRACHLORIDE; HEALTH EFFECTS OF CARBON TETRACHLORIDE IN HUMANS AND ANIMALS; MECHANISMS OF TOXICITY OF CARBON TETRACHLORIDE; AND QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF CARBON TETRACHLORIDE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013222

PUBLICATION DATE: OCT 85

TITLE: DRINKING WATER CRITERIA FOR CHROMIUM (FINAL DRAFT).

DESCRIPTOR: *CRITERIA; *CHROMIUM; *DRAFT DOCUMENT; *HEALTH EFFECTS; *METALS; *TOXICOLOGY; *USEPA; *WATER QUALITY

DESCRIPTIVE NOTE: 181P. PRICE CODE: PC A09/MF A01. ORDER NO.: PB86-118072/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON CHROMIUM. THIS CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF CHROMIUM; TOXICOKINETICS AND HUMAN EXPOSURE TO CHROMIUM; HEALTH EFFECTS OF CHROMIUM IN HUMANS AND ANIMALS; MECHANISMS OF TOXICITY OF CHROMIUM; AND QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF CHROMIUM.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013223
PUBLICATION DATE: MAR 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR COPPER (FINAL DRAFT).

PERSONAL AUTHOR: SOREL, J. E.; AND OTHERS

DESCRIPTOR: *COPPER; *CRITERIA; *DRAFT DOCUMENT; *DRINKING WATER; *HEALTH EFFECTS; *METALS; *TOXICOLOGY; *USEPA; *WATER QUALITY

DESCRIPTIVE NOTE: 140P. PRICE CODE: PC A07/MF A01. ORDER NO.: PB86-118239/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON COPPER. THIS CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF COPPER; TOXICOKINETICS AND HUMAN EXPOSURE TO COPPER; HEALTH EFFECTS OF COPPER IN HUMANS AND ANIMALS; MECHANISMS OF TOXICITY OF COPPER; AND QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF COPPER.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013224

PUBLICATION DATE: MAR 85
TITLE: DRINKING WATER CRITERIA DOCUMENT FOR 1, 2-DIBROMO-3-CHLOROPROPANE (DBCP) (FINAL DRAFT).

PERSONAL AUTHOR: WILBUR, S. B.; AND OTHERS

DESCRIPTOR: *CRITERIA; *DRAFT DOCUMENT; *DRINKING WATER; *HEALTH EFFECTS; *DIBROMOCHLOROPROPANE; *TOXICOLOGY; *USEPA; *WATER QUALITY

DESCRIPTIVE NOTE: 192P. PRICE CODE: PC A09/MF A01. ORDER NO.: PB86-118064/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON DIBROMOCHLOROPROPANE. THIS CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF DIBROMOCHLOROPROPANE; TOXICOKINETICS AND HUMAN EXPOSURE TO DIBROMOCHLOROPROPANE; HEALTH EFFECTS OF DIBROMOCHLOROPROPANE IN HUMANS AND ANIMALS; MECHANISMS OF TOXICITY OF DIBROMOCHLOROPROPANE; AND QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF DIBROMOCHLOROPROPANE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013225
PUBLICATION DATE: MAR 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR 1,2-DICHLOROPROPANE (FINAL DRAFT).

PERSONAL AUTHOR: BASU, D. K.; AND OTHERS

DESCRIPTOR: *CRITERIA; *DRAFT DOCUMENT; *DRINKING WATER; *DICHLOROPROPANE; *HEALTH EFFECTS; *TOXICOLOGY; *USEPA; *WATER QUALITY

DESCRIPTIVE NOTE: 174P. PRICE CODE: PC A08/MF A01. ORDER NO.: PB86-117850/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON 1,2-DICHLOROPROPANE. THE CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF 1,2-DICHLOROPROPANE, TOXICOKINETICS AND HUMAN EXPOSURE TO 1,2-DICHLOROPROPANE, HEALTH EFFECTS OF 1,2-DICHLOROPROPANE IN HUMANS AND ANIMALS, MECHANISMS OF TOXICITY OF 1,2-DICHLOROPROPANE, AND QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF 1,2-DICHLOROPROPANE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013226

PUBLICATION DATE: MAR 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR ENDRIN (FINAL DRAFT).

PERSONAL AUTHOR: QUE HEE, S. S.; AND OTHERS

DESCRIPTOR: *CRITERIA; *DRAFT DOCUMENT; *DRINKING WATER; *ENDRIN; *HEALTH EFFECTS; *TOXICOLOGY; *USEPA; *WATER QUALITY

DESCRIPTIVE NOTE: 195P. PRICE CODE: PC A09/MF A01. ORDER NO.: PB86-117967/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON ENDRIN. THE CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF ENDRIN, TOXICOKINETICS AND HUMAN EXPOSURE TO ENDRIN, HEALTH EFFECTS OF ENDRIN IN HUMANS AND ANIMALS, MECHANISMS OF TOXICITY OF ENDRIN, AND QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF ENDRIN.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013227
PUBLICATION DATE: MAR 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR EPICHLOROHYDRIN (FINAL DRAFT).

PERSONAL AUTHOR: TULLIS, D. L.; GRAY D. A.

DESCRIPTOR: *CRITERIA; *DRAFT DOCUMENT; *DRINKING WATER; *EPICHLOROHYDRIN; *HEALTH EFFECTS; *TOXICOLOGY; *USEPA; *WATER QUALITY

DESCRIPTIVE NOTE: 161P. PRICE CODE: PC A08/MF A01. ORDER NO.: PB86-118023/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON EPICHLOROHYDRIN. THIS CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF EPICHLOROHYDRIN; TOXICOKINETICS AND HUMAN EXPOSURE TO EPICHLOROHYDRIN; HEALTH EFFECT OF EPICHLOROHYDRIN IN HUMANS AND ANIMALS; MECHANISMS OF TOXICITY OF EPICHLOROHYDRIN, AND QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF EPICHLOROHYDRIN.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013228

PUBLICATION DATE: MAR 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR ETHYLBENZENE (FINAL DRAFT).

PERSONAL AUTHOR: BECKER, J. M.; AND OTHERS

DESCRIPTOR: *CRITERIA; *DRAFT DOCUMENT; *DRINKING WATER; *ETHYLBENZENE; *HEALTH EFFECTS; *TOXICOLOGY; *USEPA; *WATER QUALITY

DESCRIPTIVE NOTE: 78P. PRICE CODE: PC A05/MF A01. ORDER NO.: PB86-117835/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON ETHYLBENZENE. THIS CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF ETHYLBENZENE; TOXICOKINETICS AND HUMAN EXPOSURE TO ETHYLBENZENE; HEALTH EFFECTS OF ETHYLBENZENE IN HUMANS AND ANIMALS; MECHANISMS OF TOXICITY OF ETHYLBENZENE; AND QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF ETHYLBENZENE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013229

PUBLICATION DATE: MAR 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR ETHYLENE DIBROMIDE (EDB) FINAL DRAFT).

PERSONAL AUTHOR: BOSCH, S. J.; AND OTHERS

DESCRIPTOR: *CRITERIA; *DRAFT DOCUMENT; *DRINKING WATER; *ETHYLENE DIBROMIDE; *HEALTH EFFECTS; *TOXICOLOGY; *USEPA; *WATER QUALITY

DESCRIPTIVE NOTE: 187P. PRICE CODE: PC A09/MF A01. ORDER NO.: PB86-118247/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON ETHYLENE DIBROMIDE. THE CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF ETHYLENE DIBROMIDE, TOXICOKINETICS AND HUMAN EXPOSURE TO ETHYLENE DIBROMIDE, HEALTH EFFECTS OF ETHYLENE DIBROMIDE IN HUMANS AND ANIMALS, MECHANISMS OF TOXICITY OF ETHYLENE DIBROMIDE, AND QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF ETHYLENE DIBROMIDE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013230

PUBLICATION DATE: OCT 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR FLUORIDE.

DESCRIPTOR: *CRITERIA; *DRINKING WATER; *FLUORIDE; *HEALTH EFFECTS; *TOXICOLOGY; *USEPA; *WATER QUALITY

DESCRIPTIVE NOTE: 183P. PRICE CODE: PC A09/MF A01. ORDER NO.: PB86-118163/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON FLUORIDE. THIS CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF FLUORIDE; TOXICOKINETICS AND HUMAN EXPOSURE TO FLUORIDE; HEALTH EFFECTS OF FLUORIDE IN HUMANS AND ANIMALS; MECHANISMS OF TOXICITY OF FLUORIDE; QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF FLUORIDE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013231

PUBLICATION DATE: FEB 84

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR GIARDIA (FINAL DRAFT).

DESCRIPTOR: *CRITERIA; *DRAFT DOCUMENT; *DRINKING WATER; *GIARDIA; *HEALTH EFFECTS; *USEPA; *WATER QUALITY

DESCRIPTIVE NOTE: 98P. PRICE CODE: PC A05/MF A01. ORDER NO.: PB86-118171/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY, HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON THE FOLLOWING TOPICS: GENERAL INFORMATION AND PROPERTIES, OCCURRENCE, HEALTH EFFECTS IN ANIMALS AND HUMANS, MECHANISMS OF DISEASE AND RISK ASSESSMENT OF GIARDIA.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013232

PUBLICATION DATE: MAY 84

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR HETEROTROPHIC BACTERIA (FINAL DRAFT).

DESCRIPTOR: *BACTERIA; *CRITERIA; *DRAFT DOCUMENT; *DRINKING WATER; *HETEROTROPHIC BACTERIA; *HEALTH EFFECTS; *ANALYTICAL TECHNIQUES; *SAMPLING; *USEPA; *WATER QUALITY

DESCRIPTIVE NOTE: 81P. PRICE CODE: PC A05/MF A01. ORDER NO.: PB86-118189/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY, HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON HETEROTROPHIC BACTERIA. THE DOCUMENT INCLUDES AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: CONCENTRATION OF HETEROTROPIC BACTERIA IN DRINKING WATER, HEALTH EFFECTS, INTERFERENCE WITH TOTAL COLIFORM ANALYSIS, UTILITY OF HETEROTROPHIC BACTERIA AS AN INDICATOR OF DRINKING WATER QUALITY, SAMPLING AND ANALYTICAL PROCEDURES.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013233

PUBLICATION DATE: MAR 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR HEXACHLOROBENZENE (FINAL DRAFT).

PERSONAL AUTHOR: PEIRANO, W. B.

DESCRIPTOR: *CRITERIA; *DRAFT DOCUMENT; *DRINKING WATER; *HEALTH EFFECTS; *HEXACHLOROBENZENE; *TOXICOLOGY; *USEPA; *WATER QUALITY

DESCRIPTIVE NOTE: 209P. PRICE CODE: PC A10/MF A01. ORDER NO.: PB86-117777/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S.

ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON HEXACHLOROBENZENE. THIS CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF HEXACHLOROBENZENE; TOXICOKINETICS AND HUMAN EXPOSURE TO HEXACHLOROBENZENE; HEALTH EFFECTS OF HEXACHLOROBNZENE IN HUMANS; MECHANISMS OF TOXICITY OF HEXACHLOROBENZENE; AND QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF HEXACHLOROBENZENE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013234

PUBLICATION DATE: MAR 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR LEGIONELLA (FINAL DRAFT).

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *CRITERIA; *DRAFT DOCUMENT; *DRINKING WATER; *HEALTH EFFECTS; *LEGIONELLA; *DISEASES; *RISK ASSESSMENT; *USEPA; *WATER QUALITY

DESCRIPTIVE NOTE: 255P. PRICE CODE: PC A12/MF A01. ORDER NO.: PB86-117843/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY, HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON LEGIONELLA. THE DOCUMENT INCLUDES AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: GENERAL INFORMATION AND PROPERTIES, OCCURRENCE IN DRINKING WATER, WORLDWIDE DISTRIBUTION, ANALYTICAL METHODOLOGY, HEALTH EFFECTS IN ANIMALS AND HUMANS, SYMPTOMS AND MECHANISMS OF DISEASE PRODUCTION, CONTROL OF LEGIONELLAE IN THE DISTRIBUTION SYSTEM AND IN PLUMBING SYSTEMS, AND RISK ASSESSMENT.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013235

PUBLICATION DATE: MAR 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR MERCURY (FINAL DRAFT).

PERSONAL AUTHOR: PEPELKO, W. E.

DESCRIPTOR: *CRITERIA; *DRAFT DOCUMENT; *DRINKING WATER; *HEALTH EFFECTS; *METALS; *MERCURY; *TOXICOLOGY; *USEPA; *WATER QUALITY

DESCRIPTIVE NOTE: 140P. PRICE CODE: PC A07/MF A01. ORDER NO.: PB86-117827/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON MERCURY. THE CRITERIA IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF MERCURY, TOXICOKINETICS AND HUMAN EXPOSURE TO MERCURY, HEALTH EFFECTS OF MERCURY IN HUMANS AND ANIMALS, MECHANISMS OF TOXICITY OF MERCURY, AND QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF MERCURY.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013236

PUBLICATION DATE: MAR 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR METHOXYCHLOR (FINAL DRAFT).

PERSONAL AUTHOR: WILBUR, S. B.; NEAL M. W.

DESCRIPTOR: *CRITERIA; *DRAFT DOCUMENT; *DRINKING WATER; *HEALTH EFFECTS; *METHOXYCHLOR; *TOXICOLOGY; *USEPA; *WATER QUALITY

DESCRIPTIVE NOTE: 160P. PRICE CODE: PC A08/MF A01. ORDER NO.: PB86-117876/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON METHOXYCHLOR. THE CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF METHOXYCHLOR, TOXICOKINETICS AND HUMAN EXPOSURE TO METHOXYCHLOR, HEALTH EFFECTS OF METHOXYCHLOR IN HUMANS AND ANIMALS, MECHANISMS OF TOXICITY OF METHOXYCHLOR, AND QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF METHOXYCHLOR.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013237

PUBLICATION DATE: JAN 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR MOLYBDENUM (FINAL DRAFT).

DESCRIPTOR: *CRITERIA; *DRAFT DOCUMENT; *DRINKING WATER; *HEALTH EFFECTS; *METALS; *MOLYBDENUM; *TOXICOLOGY; *USEPA; *WATER QUALITY

DESCRIPTIVE NOTE: 182P. PRICE CODE: PC A09/MF A01. ORDER NO.: PB86-118254/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON MOLYBDENUM. THIS CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF MOLYBDENUM; TOXICOKINETICS AND HUMAN EXPOSURE TO MOLYBDENUM; HEALTH EFFECTS OF MOLYBDENUM IN HUMANS AND ANIMALS; MECHANISMS OF TOXICITY OF MOLYBDENUM; AND QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF MOLYBDENUM.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013238

PUBLICATION DATE: MAR 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR NICKEL (FINAL DRAFT).

PERSONAL AUTHOR: HANSEN, B.; AND OTHERS

DESCRIPTOR: *CRITERIA; *DRAFT DOCUMENT; *DRINKING WATER; *HEALTH EFFECTS; *METALS; *NICKEL; *TOXICOLOGY; *USEPA; *WATER QUALITY

DESCRIPTIVE NOTE: 68P. PRICE CODE: PC A04/MF A01. ORDER NO.: PB86-117801/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON NICKEL. THE CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF NICKEL, TOXICOKINETICS AND HUMAN EXPOSURE TO NICKEL, HEALTH EFFECTS OF NICKEL IN HUMANS AND ANIMALS, MECHANISMS OF TOXICITY OF NICKEL, AND QUANITIFICATION OF TOXICOLOGICAL EFFECTS OF NICKEL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013239

PUBLICATION DATE: OCT 85

TITLE: DRINKING WATER CRITERIA DOCUMENT ON NITRATE/NITRITE (FINAL DRAFT).

DESCRIPTOR: *CRITERIA; *DRAFT DOCUMENT; *DRINKING WATER; *HEALTH EFFECTS; *NITRATES; *NITRITES; *TOXICOLOGY; *USEPA; *WATER QUALITY

DESCRIPTIVE NOTE: 163P. PRICE CODE: PC A08/MF A01. ORDER NO.: PB86-117959/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON NITRATE/NITRITE. THE CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF NITRATE/NITRITE, TOXICOKINETICS AND HUMAN EXPOSURE TO NITRATE/NITRITE, HEALTH EFFECTS OF NITRATE/NITRITE IN HUMANS AND ANIMALS, MECHANISMS OF TOXICITY OF NITRATE/NITRITE, AND QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF NITRATE/NITRITE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013240

PUBLICATION DATE: JUN 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR ORTHO-DICHLOROBENZENE, META-DICHLOROBENZENE, AND PARA-DICHLOROBENZENE (DRAFT).

DESCRIPTOR: *CRITERIA; *DRAFT DOCUMENT; *DRINKING WATER; *ORTHODICHLOROBENZENE; *METADICHLOROBENZENE; *TOXIC SUBSTANCES; *USEPA; *WATER QUALITY

DESCRIPTIVE NOTE: 174P. PRICE CODE: PC A08/MF A01. ORDER NO.: PB86-117918/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON O-, M- AND P-DICHLOROBENZENE. THIS CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF O-, M- AND P-DICHLOROBENZENE; TOXICOKINETICS AND HUMAN EXPOSURE TO O-, M- AND P-DICHLOROBENZENE; HEALTH EFFECTS OF O-, M- AND P-DICHLOROBENZENE IN HUMANS AND ANIMALS; MECHANISMS OF TOXICITY OF O-, M- AND P-DICHLOROBENZENE; AND QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF O-, M- AND P-DICHLOROBENZENE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013241

PUBLICATION DATE: MAR 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR PENTACHLOROPHENOL (FINAL DRAFT).

PERSONAL AUTHOR: TULLIS, D. L.; AND OTHERS

DESCRIPTOR: *CRITERIA; *DRAFT DOCUMENT; *DRINKING WATER; *HEALTH EFFECTS; *PENTACHLOROPHENOL; *TOXICOLOGY; *USEPA; *WATER QUALITY

DESCRIPTIVE NOTE: 117P. PRICE CODE: PC A06/MF A01. ORDER NO.: PB86-118015/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON PENTACHLOROPHENOL. THE CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF PENTACHLOROPHENOL, TOXICOKINETICS AND HUMAN EXPOSURE TO PENTACHLOROPHENOL, HEALTH EFFECTS OF PENTACHLOROPHENOL IN HUMANS AND ANIMALS, MECHANISMS OF TOXICITY OF PENTACHLOROPHENOL, AND QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF PENTACHLOROPHENOL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013242
PUBLICATION DATE: APR 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR POLYCHLORINATED BIPHENYLS (PCBS) (FINAL DRAFT).

PERSONAL AUTHOR: GOETCHIUS, P.; AND OTHERS

DESCRIPTOR: *CRITERIA; *DRAFT DOCUMENT; *DRINKING WATER; *HEALTH EFFECTS; *PCBS; *TOXICOLOGY; *USEPA; *WATER QUALITY

DESCRIPTIVE NOTE: 338P. PRICE CODE: PC A15/MF A01. ORDER NO.: PB86-118312/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON PCBS. THE CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF PCBS; TOXICOKINETICS AND HUMINS EXPOSURE TO PCBS; HEALTH EFFECTS OF PCBS IN HUMANS AND ANIMILS; MECHANISMS OF TOXICITY OF PCBS; AND QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF PCBS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013243

PUBLICATION DATE: APR 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR SELENIUM (FINAL DRAFT).

DESCRIPTOR: *CRITERIA; *DRAFT DOCUMENT; *DRINKING WATER; *HEALTH EFFECTS; *SELENIUM; *TOXICOLOGY; *USEPA; *WATER QUALITY

DESCRIPTIVE NOTE: 189P. PRICE CODE: PC A09/MF A01. ORDER NO.: PB86-118098/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON SELENIUM. THIS CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF SELENIUM; TOXICOKINETICS AND HUMANS EXPOSURE TO SELENIUM; HEALTH EFFECTS OF SELENIUM IN HUMANS AND ANIMALS; MECHANISMS OF TOXICITY OF SELENIUM; AND QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF SELENIUM.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013244

PUBLICATION DATE: MAR 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR STYRENE (FINAL DRAFT).

PERSONAL AUTHOR: HANSEN, B. C.; AND OTHERS

DESCRIPTOR: *CRITERIA; *DRAFT DOCUMENT; *DRINKING WATER; *HEALTH EFFECTS; *STYRENE; *TOXICOLOGY; *USEPA; *WATER QUALITY

DESCRIPTIVE NOTE: 225P. PRICE CODE: PC A10/MF A01. ORDER NO.: PB86-118056/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON STYRENE. THE CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF STYRENE, TOXICOKINETICS AND HUMAN EXPOSURE TO STYRENE, HEALTH EFFECTS OF STYRENE IN HUMANS AND ANIMALS, MECHANISMS OF TOXICITY OF STYRENE, AND QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF STYRENE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013245

PUBLICATION DATE: JAN 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR SULFATE (FINAL DRAFT).

DESCRIPTOR: *CRITERIA; *DRAFT DOCUMENT; *DRINKING WATER; *HEALTH EFFECTS; *SULFATES; *TOXICOLOGY; *USEPA; *WATER QUALITY

DESCRIPTIVE NOTE: 57P. PRICE CODE: PC A04/MF A01. ORDER NO.: PB86-118296/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON SULFATE. THIS CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF SULFATE; TOXICOKINETICS AND HUMAN EXPOSURE TO SULFATE; HEALTH EFFECTS OF SULFATE IN HUMANS AND ANIMALS; MECHANISMS OF TOXICITY OF SULFATE; AND QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF SULFATE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013246

PUBLICATION DATE: APR 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR TETRACHLOROETHYLENE (FINAL).

DESCRIPTOR: *CRITERIA; *DRINKING WATER; *HEALTH EFFECTS; *TETRACHLOROETHYLENE; *TOXICOLOGY; *USEPA; *WATER QUALITY

DESCRIPTIVE NOTE: 158P. PRICE CODE: PC A08/MF A01. ORDER NO.: PB86-118114/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON TETRACHLOROETHYLENE. THE CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF TETRACHLOROETHYLENE; TOXICOKINETICS AND HUMAN EXPOSURE TO TETRACHLOROETHYLENE; HEALTH EFFECTS OF TETRACHLOROETHYLENE IN HUMANS AND ANIMALS; MECHANISMS OF TOXICITY OF TETRACHLOROETHYLENE; AND QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF TETRACHLOROETHYLENE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013247

PUBLICATION DATE: APR 84

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR TOTAL COLIFORMS (FINAL DRAFT).

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *CRITERIA; *COLIFORMS; *DRAFT DOCUMENT; *DRINKING WATER; *RISK ASSESSMENT; *USEPA; *WATER QIALITY

DESCRIPTIVE NOTE: 89P. PRICE CODE: PC A05/MF A01. ORDER NO.: PB86-118148/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON TOTAL COLIFORMS. THE DOCUMENT INCLUDES AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: WATERBORNE DISEASE AGENTS, UTILITY OF TOTAL COLIFORMS AS AN INDICATOR FOR TREATMENT EFFICIENCY, DETERIORATION OF THE DISINFECTION SYSTEM, AND FECAL CONTAMINATION, ANALYTICAL PROCEDURES, AND RISK ASSESSMENT.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013248

PUBLICATION DATE: JAN 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR 1,1,1-TRICHLOROETHANE (DRAFT).

DESCRIPTOR: *CRITERIA; *DRAFT DOCUMENT; *DRINKING WATER; *HEALTH EFFECTS; *1,1,1-TRICHLOROETHANE; *TOXICOLOGY; *USEPA; *WATER QUALITY

DESCRIPTIVE NOTE: 144P. PRICE CODE: PC A07/MF A01. ORDER NO.: PB86-118130/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON 1,1,1-TRICHLOROETHANE. THE CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF 1,1,1-TRICHLOROETHANE; TOXICOKINETICS AND HUMAN EXPOSURE TO 1,1,1-TRICHLOROETHANE; HEALTH EFFECTS OF 1,1,1-TRICHLOROETHANE IN HUMANS AND ANIMALS; MECHANISMS OF TOXICITY OF 1,1,1-TRICHLOROETHANE; AND QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF 1,1,1-TRICHLOROETHANE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013249

PUBLICATION DATE: JAN 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR TRICHLOROETHYLENE (DRAFT).

DESCRIPTOR: *CRITERIA; *DRAFT DOCUMENT; *DRINKING WATER; *HEALTH EFFECTS; *TRICHLOROETHYLENE; *TOXICOLOGY; *USEPA; *WATER QUALITY

DESCRIPTIVE NOTE: 141P. PRICE CODE: PC A07/MF A01. ORDER NO.: PB86-118106/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON TRICHLOROETHYLENE. THE CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF TRICHLOROETHYLENE; TOXICOKINETICS AND HUMAN EXPOSURE TO TRICHLOROETHYLENE; HEALTH EFFECTS OF TRICHLOROETHYLENE IN HUMANS AND ANIMALS MECHANISMS OF TOXICITY OF TRICHLOROETHYLENE; QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF TRICHLOROETHYLENE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013250

PUBLICATION DATE: MAR 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR 2(2,4,5-TRICHLOROPHENOXY) PROPIONIC ACID (2,4,5-TP) (FINAL DRAFT).

PERSONAL AUTHOR: ANDERSON, J. R.; NEAL M. W.

DESCRIPTOR: *CRITERIA; *DRAFT DOCUMENT; *DRINKING WATER; *HEALTH EFFECTS; *2,4,5-TP; *USEPA; *WATER QUALITY

DESCRIPTIVE NOTE: 74P. PRICE CODE: PC A04/MF A01. ORDER NO.: PB86-117926/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON 2,4,5-TP. THIS CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF 2,4,5-TP; TOXICOKINETICS AND HUMANS EXPOSURE TO 2,4,5-TP; HEALTH EFFECTS OF 2,4,5-TP IN HUMANS AND ANIMALS; MECHANISMS OF TOXICITY OF 2,4,5-TP; QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF 2,4,5-TP.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285

PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013251

PUBLICATION DATE: AUG 84

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR TURBIDITY (FINAL DRAFT).

DESCRIPTOR: *CRITERIA; *DRAFT DOCUMENT; *DRINKING WATER; *HEALTH EFFECTS; *OPERATIONS (WASTEWATER); *TURBIDITY; *USEPA; *WATER QUALITY; *WATER TREATMENT

DESCRIPTIVE NOTE: 89P. PRICE CODE: PC A05/MF A01. ORDER NO.: PB86-118205/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A CRITERIA DOCUMENT ON TURBIDITY. THIS DOCUMENT DISCUSSES THE TURBIDITY OCCURRENCE AND CHARACTERISTICS, DIRECT HEALTH EFFECTS, INDIRECT HEALTH EFFECTS, TURBIDITY EFFECTS ON DISINFECTION DEMAND, TURBIDITY INTERFERENCE WITH COLIFORM DETECTION, TURBIDITY MEASUREMENT AND EXAMINATION OF TURBIDITY AS A POTENTIAL REGULATION.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013252
PUBLICATION DATE: JAN 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR VINYL CHLORIDE (FINAL DRAFT).

DESCRIPTOR: *CRITERIA; *DRAFT DOCUMENT; *DRINKING WATER; *HEALTH EFFECTS; *TOXICOLOGY; *USEPA; *VINYL CHLORIDE; *WATER QUALITY

DESCRIPTIVE NOTE: 125P. PRICE CODE: PC A06/MF A01. ORDER NO.: PB86-118320/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON VINYL CHLORIDE. THE CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS: PHYSICAL AND CHEMICAL PROPERTIES OF VINYL CHLORIDE; TOXICOKINETICS AND HUMAN EXPOSURE TO VINYL CHLORIDE; HEALTH EFFECTS OF VINYL CHLORIDE IN HUMANS AND ANIMALS; MECHANISMS OF TOXICITY OF VINYL CHLORIDE; AND QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF VINYL CHLORIDE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013253
PUBLICATION DATE: MAR 85

TITLE: DRINKING WATER CRITERIA DOCUMENT FOR XYLENES (FINAL DRAFT).

PERSONAL AUTHOR: BECKER, J. M.; AND OTHERS

DESCRIPTOR: *CRITERIA; *DRAFT DOCUMENT; *DRINKING WATER; *HEALTH EFFECTS; *TOXICOLOGY; *USEPA; *XYLENES; *WATER QUALITY

DESCRIPTIVE NOTE: 194P. PRICE CODE: PC A09/MF A01. ORDER NO.: PB86-117942/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A DRINKING WATER CRITERIA DOCUMENT ON XYLENES: THIS CRITERIA DOCUMENT IS AN EXTENSIVE REVIEW OF THE FOLLOWING TOPICS; PHYSICAL AND CHEMICAL PROPERTIES OF XYLENES; TOXICOKINETICS AND HUMAN EXPOSURE TO XYLENES; HEALTH EFFECTS OF XYLENES IN HUMANS AND ANIMALS; MECHANISMS OF TOXICITY OF XYLENES; QUANTIFICATION OF TOXICOLOGICAL EFFECTS OF XYLENES.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013254

PUBLICATION DATE: OCT 85
TITLE: ESTIMATING SLUDGE MANAGEMENT COSTS: HANDBOOK.

DESCRIPTOR: *COSTS; *MANAGEMENT; *OPERATIONS (WASTEWATER); *SEWAGE SLUDGE; *SLUDGE STORAGE; *SLUDGE DISPOSAL; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 564P. PRICE CODE: PC A24/MF A01. ORDER NO.: PB86-124542/WEP

ABSTRACT: THE MANUAL PROVIDES PRELIMINARY COST ESTIMATING CURVES, COVERING BOTH CAPITAL COSTS AND ANNUAL OPERATING MAINTENANCE (O AND M) COSTS, FOR COMMONLY USED PROCESSES IN MUNICIPAL WASTEWATER SLUDGE TREATMENT, STORAGE, TRANSPORT, USE, OR DISPOSAL. IN ADDITION, ANNUAL O AND M COMPONENT CURVES, WHICH PROVIDE ADDITIONAL USER FLEXIBILITY, ARE ALSO INCLUDED. CURVES ARE BASED ON THE COST ALGORITHMS CONTAINED IN APPENDIX A. THE PROCESS CAN BE READILY ARRANGED INTO VARIOUS SLUDGE MANAGEMENT CHAINS AND PRELIMINARY COSTS ESTIMATED FOR EACH SLUDGE MANAGEMENT CHAIN TO BE EVALUATED. COSTS PRESENTED ARE BASED ON THE LAST QUARTER OF 1984, AND CAN BE UPDATED TO LATER YEARS BY USE OF APPROPRIATE COST INDEXES. THE COST ESTIMATING ALGORITHMS, ON THE OTHER HAND, PRESENT A LOGICAL SERIES OF CALCULATIONS FOR INPUTTING SITE-SPECIFIC DATA FOR LOGICAL SERIES OF CALCULATIONS FOR DERIVING BASE CAPITAL AND BASE ANNUAL OPERATION AND MAINTENANCE COSTS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013255

PUBLICATION DATE: DEC 85

TITLE: FORMALDEHYDE. JUNE 1970-1985 (CITATIONS FROM THE NTIS DATA BASE).

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *FORMALDEHYDE; *HEALTH HAZARDS; *INDUSTRIAL SITES; *SAMPLING

DESCRIPTIVE NOTE: 284P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-853009/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE HEALTH HAZARDS OF FORMALDEHYDE INHALATION. HEALTH HAZARD EVALUATION REPORTS OF INDUSTRIAL SITES ARE DISCUSSED AND THE EFFECTS OF FORMALDEHYDE ON ANIMALS AND HUMANS ARE CONSIDERED. INDUSTRIAL HYGIENE SAMPLING METHODS AND ANALYTICAL METHODS TO QUANTITATE FORMALDEHYDE ARE ALSO DISCUSED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 297 CITATIONS, 46 OF WHICHH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013256

PUBLICATION DATE: AUG 85

TITLE: HAZARDOUS SUBSTANCES ALTERNATIVE TREATMENT TECHNOLOGIES SEMINAR PROCEEDINGS.

DESCRIPTOR: *ALTERNATIVE TECHNOLOGY; *CONFERENCE PROCEEDINGS; *HAZARDOUS SUBSTANCES; *HAZARDOUS WASTES; WASTE DISPOSAL; *TECHNOLOGY; *WASTE TREATMENT

DESCRIPTIVE NOTE: 148P. PRICE CODE: PC A07/MF A01. ORDER NO.: PB86-113156/WEP

ABSTRACT: THE DOCUMENT CONTAINS TECHNICAL PAPERS WHICH WERE PRESENTED AT THE HAZARDOUS SUBSTANCES ALTERNATIVE TREATMENT TECHNOLOGIES SEMINAR HELD APRIL 3 AND 4, 1985 IN SPRINGFIELD, ILLINOIS. THESE PROCEEDINGS DISCUSS VIABLE ALTERNATIVE TREATMENT TECHNOLOGIES FOR THE DISPOSITION OF HAZARDOUS WASTES.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013257

PUBLICATION DATE: 85

TITLE: HAZARDOUS WASTE SUPPLEMENT TO PERSONAL PROTECTIVE EQUIPMENT FOR HAZARDOUS MATERIALS INCIDENTS: A SELECTION GUIDE.

PERSONAL AUTHOR: RONK, R.; AND OTHERS

DESCRIPTOR: *ACCIDENT PREVENTION; *EMERGENCY RESPONSE; *HAZARDOUS MATERIALS; *HAZARDOUS WASTES; *PROTECTIVE EQUIPMENT; *RECOMMENDATIONS; *SAFETY

DESCRIPTIVE NOTE: 116P. PRICE CODE: PC A06/MF A01. ORDER NO.: PB86-130697/WEP

ABSTRACT: IN 1985 NIOSH PUBLISHED 'PERSONAL PROTECTIVE EQUIPMENT FOR HAZARDOUS MATERIALS INCIDENTS: A SELECTION GUIDE' (NIOSH 84-114) WHICH MAKES SPECIFIC RECOMMENDATIONS FOR PERSONAL PROTECTIVE EQUIPMENT (PPE) FOR HAZARDOUS MATERIALS EMERGENCIES. NIOSH REALIZED THE NEED FOR SUCH DETAILED GUIDELINES IN SELECTION OF PPE FOR HAZARDOUS WASTE SITE CLEANUPS. THEREFORE, THIS PUBLICATION IS A SUPPLEMENT TO THE PREVIOUS DOCUMENT. IN USING THIS SUPPLEMENT, REFERENCE SHOULD BE MADE TO THE ORIGINAL DOCUMENT WHICH IS AVAILABLE FROM GPO (STOCK NUMBER 017-033-00-414-5) OR FROM NTIS (STOCK NUMBER PB85-22230).

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013258

PUBLICATION DATE: OCT 85

TITLE: HAZARDOUS WASTE TREATMENT RESEARCH - U.S. ENVIRONMENTAL PROTECTION AGENCY (UPDATE).

PERSONAL AUTHOR: DIAL, C. J.

DESCRIPTOR: *HAZARDOUS WASTES; *RESEARCH; *PROGRAM DESCRIPTIONS; *USEPA; *WASTE TREATMENT

DESCRIPTIVE NOTE: 20P. PRICE CODE: PC A02/MF A01. ORDER NO.: PB86-121464/WEP

ABSTRACT: TREATMENT AND THERMAL DESTRUCTION ARE BECOMING THE MOST VIABLE METHODS FOR DISPOSING OF HAZARDOUS WASTES. WASTES CAN BE DESTROYED THROUGH A VARIETY OF TREATMENT METHODS AND IN INCINERATORS, BOILERS, KILNS, AND OTHER HIGH TEMPERATURE INDUSTRIAL PROCESSES. THE DESTRUCTION OF THESE MATERIALS IS REGULATED UNDER THE RESOURCE CONSERVATION AND RECOVERY ACT AS AMENDED. THE OFFICE OF RESEARCH AND DEVELOPMENT OF THE U.S. ENVIRONMENTAL PROTECTION AGENCY CONDUCTS RESEARCH TO HELP ESTABLISH AND TECHNICALLY DEFEND REGULATIONS GOVERNING THE DESTRUCTION OF HAZARDOUS MATERIALS. THE PROGRAM IS CONDUCTED AT EPA-OWNED FACILITIES AND BY AGENCY CONTRACTORS. IT IS HIGHLY COORDINATED WITH OTHER RESEARCHERS. THESE PROGRAMS WILL RESULT IN REGULATION, PERMITTING, AND COMPLIANCE ACTIONS BY THE AGENCY TO ENSURE CONTINUED, RELIABLE OPERATION OF SUCH FACILITIES AND THE PUBLIC ACCEPTANCE OF THE LOCATION AND OPERATION OF THESE FACILITIES. A DESCRIPTION OF THE EPA RESEARCH PROGRAMS AND HOW THEY INTERACT WITH PRIVATE SECTOR INDUSTRY IS PROVIDED.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013259

PUBLICATION DATE: SEP 85

TITLE: HEALTH ADVISORIES FOR 52 CHEMICALS WHICH HAVE BEEN DETECTED IN DRINKING WATER.

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *CHEMICALS; *DRINKING WATER; *CONTAMINATION; *HEALTH EFFECTS; *USEPA; *WATER TREATMENT

DESCRIPTIVE NOTE: 756P. PRICE CODE: PC A99/MF E04. ORDER NO.: PB86-118338/WEP. INCLUDES 52 INDIVIDUAL HEALTH ADVISORY REPORTS.

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW), U.S. ENVIRONMENTAL PROTECTION AGENCY (U.S.EPA) HAS PREPARED HEALTH ADVISORIES FOR 52 CHEMICALS WHICH HAVE BEEN DETECTED IN DRINKING WATER. HEALTH ADVISORIES ARE NON-REGULATORY GUIDANCE WHICH PROVIDE INFORMATION ON HEALTH EFFECTS, ANALYTICAL METHODOLOGY AND TREATMENT TECHNOLOGY THAT WOULD BE USEFUL IN DEALING WITH THE CHEMICALS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013260

PUBLICATION DATE: 84

TITLE: HEALTH ASPECTS OF CHEMICAL SAFETY. INTERIM DOCUMENT 18. MANPOWER DEVELOPMENT AND TRAINING IN TOXICOLOGY AND CHEMICAL SAFETY

PERSONAL AUTHOR: BERLIN, A.

DESCRIPTOR: *CHEMICALS; *EMPLOYMENT; *HEALTH; *NEEDS; *SAFETY; *TOXICOLOGY; *TRAINING; *WORLD PROBLEMS

DESCRIPTIVE NOTE: 165P. PRICE CODE: PC A08/MF A01. ORDER NO.: PB86-122041/WEP

ABSTRACT: THE DOCUMENT CONTAINS THE FOLLOWING REPORTS: CURRENT TRAINING AND EMPLOYMENT IN TOXICOLOGY; ASSESSMENT OF NEED FOR TOXICOLOGISTS; NEED FOR TOXICOLOGY BACKGROUND IN OTHER PROFESSIONS; OCCUPATIONAL PROFILES; TRAINING CURRICULA AND APPROACHES; CAREERS IN TOXICOLOGY; DEVELOPING COUNTRIES; AND CONCLUSIONS AND RECOMMENDATIONS. THE GIST OF THE LAST TWO ARE THAT THERE IS A GENERAL LACK OF UNDERSTANDING OF CHEMICALLY CAUSED DISEASES AND THE NEED FOR TOXICOLOGY CONTROL IN DEVELOPING COUNTRIES, AND THAT TOXICOLOGY IS A NEW DISCIPLINE WHICH REQUIRES GOVERNMENT SUPPORT. ANNEXES COVER: ASSESSMENT OF NEED AND DEMAND FOR EVALUATIVE TOXICOLOGY; CHANGING NEED FOR TOXICOLOGISTS IN ITALY RESULTING FROM EUROPEAN COMMUNITY LEGISLATION; TOXICOLOGY AND CHEMICAL SAFETY TRAINING OF WORKERS' REPRESENTATIVES IN HEALTH AND SAFETY COMMITTEES; TRAINING IN TOXICOLOGY FOR DECISION-MAKERS AND ADMINISTRATORS; CLINICAL TOXICOLOGY; A CAREER IN TOXICOLOGY; NEED AND CRITERIA FOR RECOGNITION OF QUALIFICATIONS IN TOXICOLOGY; SPECIFIC TOXICOLOGICAL ROBLEMS AND TRAINING NEEDS OF TROPICAL AFRICAN COUNTRIES; URRENT MANPOWER AVAILABILITY FOR CHEMICAL SAFETY IN INDIA IN RELATION TO INDUSTRIAL GROWTH AND AGRICULTURAL DEVELOPMENT; AND WORKING PAPERS AND BACKGROUND MATERIAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013262

PUBLICATION DATE: NOV 85

TITLE: INVESTIGATION OF PARASITES IN SLUDGE AND DISINFECTION TECHNIQUES.

PERSONAL AUTHOR: REIMERS, R. S.; AND OTHERS

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *DISINFECTION; *OPERATIONS (WASTEWATER); *PARASITES; *RESEARCH; *SLUDGE; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 252P. PRICE CODE: PC A12/MF A01. ORDER NO.: PB86-135407/WEP

ABSTRACT: THE OBJECTIVES OF THE RESEARCH GRANT WERE TO: ASSESS THE PRESENCE AND DENSITIES OF RESISTANT STAGES OF PARASITES IN MUNICIPAL WASTEWATER SLUDGES (SEWAGE) IN NORTHERN UNITED STATES; COMPARE THE RESULTS OF THE STUDY WITH THE RESULTS OF A PREVIOUS STUDY OF SLUDGES IN SOUTHERN UNITED STATES; TO EVALUATE SEVERAL DECONTAMINATION TECHNIQUES FOR THEIR EFFECTIVENESS IN INACTIVATING PARASITES IN WASTE SLUDGES; AND DEVELOP A STANDARD METHOD FOR THE PARASITOLOGIC EXAMINATION OF WASTE SLUDGES. SLUDGE SAMPLES FROM ALL PHASES OF TREATMENT (I.E., PRIMARY, ETC.) WERE COLLECTED DURING THE FALL, WINTER AND SUMMER FROM 48 MUNICIPAL WASTEWATER TREATMENT PLANTS LOCATED IN NEW YORK, OHIO, MINNESOTA, AND WASHINGTON.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013263

PUBLICATION DATE: OCT 85

TITLE: LEACHATE PLUME MANAGEMENT.

PERSONAL AUTHOR: REPA, E.; KUFS, C.

DESCRIPTOR: *HANDBOOKS; *LEACHATE PLUME MANAGEMENT; *MANAGEMENT; *WATER QUALITY

DESCRIPTIVE NOTE: 680P. PRICE CODE: PC A99/MF E04. ORDER NO.: PB86-122330/WEP

ABSTRACT: THE HANDBOOK SUMMARIZES INFORMATION IN THE AREAS OF LEACHATE PLUME DYNAMICS AND PLUME MANAGEMENT ALTERNATIVES. THE HANDBOOK DESCRIBES FACTORS THAT AFFECT LEACHATE PLUME MOVEMENT, KEY CONSIDERATIONS IN DELINEATING THE CURRENT AND FUTURE EXTENT OF THE LEACHATE PLUME, TECHNOLOGIES FOR CONTROLLING THE MIGRATION OF PLUMES, AND CRITERIA FOR EVALUATING AND SELECTING PLUME MANAGEMENT

ALTERNATIVES. THE HANDBOOK CONSISTS OF EIGHT CHAPTERS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013264

PUBLICATION DATE: DEC 85

TITLE: METALS RECOVERY FROM WASTES. 1966-1985 (CITATIONS FROM THE METALS ABSTRACTS DATA BASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *INDUSTRIAL WASTES; *METALS; *RECYCLING; *RESOURCE RECOVERY; *WASTES; *WASTEWATER

DESCRIPTIVE NOTE: 109P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-854072/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE RECOVERY AND RECYCLING OR REUSE OF FERROUS AND NONFERROUS METALS FROM VARIOUS INDUSTRIAL WASTES, ESPICIALLY WASTE WATERS. (THIS UPDATED BIBLIOGRAPHY CONTAINS 198 CITATIONS, 20 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013265

PUBLICATION DATE: DEC 85

TITLE: METALS RECOVERY FROM WASTES. JUNE 1970-1985 (CITATIONS FROM THE ENGINEERING INDEX DATA BASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *INDUSTRIAL WASTES; *METALS; *RECYCLING; *RESOURCE RECOVERY; *WASTES; *WASTEWATER

DESCRIPTIVE NOTE: 169P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-852811/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE RECOVERY AND RECYCLING OR REUSE OF FERROUS AND NONFERROUS METALS FROM VARIOUS INDUSTRIAL WASTES, ESPECIALLY WASTE WATERS. (THIS UPDATED BIBLIOGRAPHY CONTAINS 244 CITATIONS, 19 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013266

PUBLICATION DATE: AUG 85

TITLE: METHODOLOGICAL APPROACH TO AN ECONOMIC ANALYSIS OF THE BENEFICIAL OUTCOMES OF WATER QUALITY IMPROVEMENTS FROM SEWAGE TREATMENT PLAN

DESCRIPTOR: *CASE STUDIES; *ECONOMIC ANALYSES; *ECONOMICS; *ENVIRONMENT; *ENVIRONMENTAL IMPACT; *MASSACHUSETTS; *BENEFIT ANALYSIS; *WASTEWATER TREATMENT; *WATER QUALITY

DESCRIPTIVE NOTE: 320P. PRICE CODE: PC A14/MF A01. ORDER NO.: PB86-114733/WEP

ABSTRACT: THE PURPOSE OF THE REPORT IS TO DEMONSTRATE THE FEASIBILITY AND USEFULNESS OF AN ECONOMIC ANALYSIS OF THE BENEFICIAL OUTCOMES OF WATER QUALITY IMPROVEMENTS FROM IMPLEMENTING CONTROLS ON MULTIPLE SOURCES OF POLLUTION. THIS CASE STUDY ON BOSTON HARBOR SERVES TO (1) DEMONSTRATE THE APPLICATION OF A VARIETY OF ECONOMIC BENEFIT ESTIMATION TECHNIQUES AND (2) TO ASSESS THE RELIABILITY AND LIMITATIONS OF EACH. IT IS INTENDED AS AN EXAMPLE OF HOW TO PERFORM BENEFIT ANALYSIS. THE POLLUTION ABATEMENT CONSIDERED IN THIS REPORT RESULTS FROM UPGRADING TWO SEWAGE TREATMENT PLANTS (STPS) ON DEER AND NUT ISLANDS AND CONTROLLING COMBINED SEWER OVERFLOWS (CSOS) IN DORCHESTER BAY, THE NEPONSET AND CHARLES RIVERS, QUINCY BAY, AND THE INNER HARBOR.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013267

PUBLICATION DATE: JUL 85

TITLE: MONOGRAPH ON HUMAN EXPOSURE TO CHEMICALS IN THE WORKPLACE: VINYLIDENE CHLORIDE.

PERSONAL AUTHOR: SANTODONATO, J.

DESCRIPTOR: *CHEMICALS; *HEALTH EFFECTS; *OCCUPATIONAL HEALTH HAZARDS; *RESEARCH REVIEWS; *VINYLIDENE CHLORIDE

DESCRIPTIVE NOTE: 39P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-130333/WEP

ABSTRACT: THE REPORT PRESENTS A SUMMARY AND EVALUATION OF INFORMATION RELEVANT TO AN OCCUPATIONAL HAZARD ASSESSMENT OF THE CHEMICAL. PERTINENT TOXICOLOGIC DATA WERE LOCATED THROUGH ON-LINE AND MANUAL LITERATURE SEARCHES FOR THE PERIOD EXTENDING BACK APPROXIMATELY TEN YEARS FROM 1984. NO ATTEMPT WAS MADE TO EXHAUSTIVELY REVIEW THE TOXICOLOGIC LITERATURE; WHERE APPROPRIATE THE READER IS REFERRED TO COMPREHENSIVE REVIEWS ON THIS TOPIC. SPECIAL ATTENTION IN THE REPORT WAS FOCUSED ON SUMMARIZING THE AVAILABLE INFORMATION REGARDING THE CARCINOGENIC POTENTIAL OF THE CHEMICAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013268
PUBLICATION DATE: AUG 85

TITLE: NONPOINT SOURCE POLLUTION: INFORMATION GUIDE.

PERSONAL AUTHOR: SHELLEY, P. E.

DESCRIPTOR: *ENVIRONMENTAL IMPACT; *FEDERAL ROLE; *INFORMATION SOURCES; *NONPOINT SOURCE POLLUTION; *POLLUTION CONTROL

DESCRIPTIVE NOTE: 245P. PRICE CODE: PC A11/MF A01. ORDER NO.: PB86-130275/WEP

ABSTRACT: THE DOCUMENT CONTAINS INFORMATION IDENTIFYING EIGHT FEDERAL AGENCIES, AND SEVERAL SUB-UNITS WITHIN EACH OF THEM THAT ARE INVOLVED IN ENVIRONMENTAL IMPACTS OF NONPOINT SOURCE POLLUTION. COMPLETE MAIL ADDRESSES AND TELEPHONE NUMBERS ARE INCLUDED FOR EACH ORGANIZATIONAL UNIT, ALONG WITH A BRIEF DESCRIPTION OF THE SPECIFIC AREA OF CONCERN. THIS RESOURCE WILL BE OF VALUE IN DIRECTING SPECIFIC QUESTIONS ON NONPOINT SOURCE POLLUTION TO THE APPROPRIATE AGENCY.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013269

PUBLICATION DATE: DEC 85

TITLE: PENTACHLOROPHENOL TOXICITY. 1970-1985 (CITATIONS FROM THE LIFE SCIENCES COLLECTION DATA BASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *HEALTH EFFECTS; *PENTACHLOROPHENOL; *PESTICIDES; *OCCUPATIONAL HAZARDS; *TOXICITY; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 110P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-853157/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING LABORATORY AND FIELD STUDIES REGARDING THE TOXICITY OF THE PESTICIDE PENTACHLOROPHENOL. TOPICS INCLUDE DOSAGE EFFECTS, UPTAKE, BIOACCUMULATION, AND METABOLISM BY VARIOUS ORGANISMS, DETECTION METHODS, AND SYNERGISTIC EFFECTS WITH OTHER HARMFUL COMPOUNDS. CASES OF HUMAN POISONING AND OCCUPATIONAL HAZARDS ASSOCIATED WITH PENTACHLOROPHENOL ARE ALSO TREATED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 130 CITATIONS, 14 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013270
PUBLICATION DATE: NOV 84

TITLE: PESTICIDES, TILLAGE PRACTICES, AND WATER QUALITY: AN ANNOTATED BIBLIOGRAPHY.

DESCRIPTOR: *AGRICULTURE; *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *ENVIRONMENT; *PESTICIDES; *TILLAGE PRACTICES; *WATER QUALITY

DESCRIPTIVE NOTE: 84P. PRICE CODE: PC A05/MF A01. ORDER NO.: PB86-118601/WEP

ABSTRACT: THE ARTICLES INCLUDED IN THE ANNOTATED BIBLIOGRAPHY REASONABLY REPRESENT THE CURRENT LITERATURE ON THE RELATIONSHIP AMONG PESTICIDES, TILLAGE PRACTICES, AND WATER. THERE ARE ONLY A LIMITED NUMBER OF PUBLISHED ARTICLES THAT COMPARE CONVENTIONAL AND CONSERVATION TILLAGE WITH RESPECT TO PESTICIDE IMPACTS ON WATER QUALITY, BUT, AS INDICATED IN THE SECTION ON 'CURRENT RESEARCH EFFORTS,' INTEREST IN THIS TOPIC IS VERY STRONG.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013271

PUBLICATION DATE: JUL 85

TITLE: PREVENTION OF FREEZING AND OTHER COLD WEATHER PROBLEMS AT WASTEWATER TREATMENT FACILITIES.

PERSONAL AUTHOR: REED, S. C.; AND OTHERS

DESCRIPTOR: *CASE STUDIES; *COLD WEATHER; *DESIGN; *FACILITIES; *OPERATIONS (WASTEWATER); *TEMPERATURE; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 56P. PRICE CODE: PC A04/MF A01. ORDER NO.: AD-A160 727/4/WEP

ABSTRACT: FREEZING AND OTHER COLD WEATHER PROBLEMS ARE A MAJOR CAUSE OF POOR PERFORMANCE AT WASTEWATER TREATMENT PLANTS IN COLD CLIMATES. THIS REPORT BASED ON EXPERIENCE IN ALASKA, IN THE NORTH CENTRAL U.S. AND ON A SURVEY OF OVER 200 TREATMENT SYSTEMS IN NORTHERN NEW ENGLAND, PRESENTS PROCEDURES AND CRITERIA SO THAT DESIGNERS CAN AVOID COLD WEATHER PROBLEMS IN FUTURE SYSTEMS. IT ALSO CONTAINS DETAILED GUIDANCE FOR ASSISTING OPERATORS IN OVERCOMING CURRENT PROBLEMS AND DEFICIENCIES. THE INFORMATION IS ORGANIZED AND PRESENTED IN TERMS OF THE MAJOR PROCESS UNITS THAT ARE LIKELY TO BE FOUND IN A TYPICAL WASTEWATER TREATMENT SYSTEM. A NUMBER OF DETAILED CASE STUDIES OF PROBLEMS AND SOLUTIONS OF SPECIFIC SYSTEMS IN NORTHERN NEW ENGLAND ARE ALSO INCLUDED.I EZING PROBLEMS, SEWAGE TREATMENTS, SEWAGE TREATMENT PLANTS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013272

PUBLICATION DATE: NOV 84

TITLE: QUANTIFICATION OF TOXICOLOGICAL EFFECTS SECTION OF THE DRINKING WATER CRITERIA DOCUMENT ON LEAD (DRAFT).

PERSONAL AUTHOR: MARCUS, W. L.

DESCRIPTOR: *CRITERIA; *DRAFT DOCUMENT; *DRINKING WATER; *LEAD; *HEALTH EFFECTS; *STANDARDS; *TOXICOLOGY; *USEPA; *WATER QUALITY

DESCRIPTIVE NOTE: 86P. PRICE CODE: PC A05/MF A01. ORDER NO.: PB86-118304/WEP

ABSTRACT: THE CRITERIA AND STANDARDS DIVISION (CSD), U.S. ENVIRONMENTAL PROTECTION AGENCY HAS PREPARED A SECTION ON THE TOXICOLOGICAL EFFECTS OF LEAD EXPOSURE THROUGH DRINKING WATER. THIS LEAD SECTION MAY BE READ WITH THE AIR QUALITY CRITERIA DOCUMENT FOR LEAD PREPARED BY THE ENVIRONMENTAL CRITERIA AND ASSESSMENT OFFICE (ECAO), U.S. EPA. THE TOXICOLOGICAL EFFECTS SECTION IS A REVIEW OF THE FOLLOWING TOPICS: BIOCHEMICAL INDICES OF LEAD EXPOSURE; METABOLISM OF LEAD; ASSESSMENT OF LEAD EXPOSURES AND ABSORPTION IN HUMAN POPULATIONS; BIOLOGICAL EFFECTS OF LEAD EXPOSURE; EVALUATION OF HUMAN HEALTH RISKS ASSOCIATED WITH EXPOSURE TO LEAD.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013273

PUBLICATION DATE: OCT 85

TITLE: RESISTANCE OF FLEXIBLE MEMBRANE LINERS TO CHEMICALS AND WASTES.

PERSONAL AUTHOR: SCHWOPE, A. D.; AND OTHERS

DESCRIPTOR: *CHEMICALS; *HAZARDOUS WASTES; *LINERS; *MEMBRANE LINERS; *PERFORMANCE EVALUATION; *TECHNOLOGY; *WASTES; *WASTE STORAGE

DESCRIPTIVE NOTE: 228P. PRICE CODE: PC A11/MF A01. ORDER NO.: PB86-119955/WEP

ABSTRACT: THE FUNCTION OF FLEXIBLE MEMBRANE LINERS (FML'S) IS TO CONTAIN WASTE AND LEACHATES. FML'S BASED ON SYNTHETIC POLYMERIC MATERIALS MAY BE DEGRADED AND PERMEATED BY THE FLUIDS THAT MUST BE CONTAINED. QUALITATIVE AND QUANTITATIVE INFORMATION ON THE CHEMICAL RESISTANCE OF FML'S MATERIALS HAS BEEN COLLECTED FROM VENDORS AND TECHNICAL PUBLICATIONS AND COMPILED INTO A DATA BASE. CRITERIA FOR ASSESSING THE INFORMATION WERE DEVELOPED AND, IN THE BASIS OF THESE CRITERIA. FML RATINGS WERE DEVELOPED FOR EACH CHEMICAL-MATERIAL PAIR FOR WHICH THERE WERE DATA. THE RATINGS ARE NOT APPROPRIATE, HOWEVER, AS A BASIS FOR SELECTION OR REJECTION OF A FML SINCE THEY DO NOT TAKE INTO ACCOUNT THE INTENDED APPLICATION, NOR HAVE THEY BEEN SUBSTANTIATED IN FIELD EXPERIENCE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013274

PUBLICATION DATE: APR 85

TITLE: SUPERFUND STRATEGY.

DESCRIPTOR: *CLEANUP; *HAZARDOUS WASTES; *PLANNING; *PROGRAM REVIEWS; *PROGRAM DESCRIPTIONS; *SUPERFUND; *USEPA

DESCRIPTIVE NOTE: 287P. PRICE CODE: PC A13/MF A01. ORDER NO.: PB86-120425/WEP

ABSTRACT: THE OBJECTIVES OF THIS OTA STUDY ARE (1) TO UNDERSTAND FUTURE SUPERFUND NEEDS AND HOW PERMANENT CLEANUPS CAN BE ACCOMPLISHED IN A COST-EFFECTIVE MANNER FOR DIVERSE TYPES OF SITES; (2) TO DESCRIBE THE INTERACTIONS AMONG MANY COMPONENTS OF THE COMPLEX SUPERFUND SYSTEM; AND (3) TO ANALYZE THE CONSEQUENCES OF PURSUING DIFFERENT STRATEGIES FOR IMPLEMENTING THE PROGRAM. THE STUDY BRINGS TOGETHER A GREAT DEAL OF INFORMATION ON WHAT CAN BE LEARNED FROM THE INITIAL SUPERFUND PROGRAM IN ORDER TO IMPROVE IT. IN PARTICULAR, THE STUDY FOCUSES ON THE CHOICE BETWEEN CONTINUING AND IMPROVING THE CURRENT PROGRAM AND ADOPTING A NEW STRATEGY ON THE BASIS OF IMPROVED INFORMATION. SUCH A NEW STRATEGY HAS BEEN DEFINED AND ANALYZED BY OTA IN CONSIDERABLE DETAIL TO PROVIDE CONGRESS WITH AN UNDERSTANDING OF CRITICAL POLICY TRADE-OFFS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013275

PUBLICATION DATE: NOV 85

TITLE: TREATMENT OF CONTAMINATED SOILS WITH AQUEOUS SURFACTANTS.

PERSONAL AUTHOR: ELLIS, W. D.; AND OTHERS

DESCRIPTOR: *CONTAMINATION; *HAZARDOUS SUBSTANCES; *PERFORMANCE EVALUATION; *RESEARCH; *SOILS; *SURFACTANTS; *TREATMENT

DESCRIPTIVE NOTE: 96P. PRICE CODE: PC A05/MF A01. ORDER NO.: PB86-122561/WEP

ABSTRACT: THE OVERALL OBJECTIVE OF THE PROJECT WAS TO DEVELOP A TECHNICAL BASE FOR DECISIONS ON THE USE OF CHEMICAL COUNTERMEASURES AT RELEASES OF HAZARDOUS SUBSTANCES. WORK INCLUDED A LITERATURE SEARCH TO DETERMINE THE NATURE AND QUANTITIES OF CONTAMINANTS AT SUPERFUND SITES AND THE APPLICABILITY OF EXISTING TECHNOLOGY TO IN SITU TREATMENT OF CONTAMINATED SOILS. LABORATORY STUDIES WERE CONDUCTED TO DEVELOP AN IMPROVED IN SITU TREATMENT METHODOLOGY AND WERE DESIGNED TO DETERMINE WHETHER SIGNIFICANT ENHANCEMENT TO THE EFFICIENCY OF WATER WASHING

COULD BE OBTAINED BY ADDING AQUEOUS SURFACTANTS TO RECHARGE WATER USED IN A CONTINUOUS RECYCLE. BASED UPON PROJECT RESULTS, THE AQUEOUS SURFACTANT COUNTERMEASURE IS POTENTIALLY USEFUL FOR IN SITU CLEANUP OF HYDROPHOBIC AND SLIGHTLY HYDROPHILIC ORGANIC CONTAMINANTS IN SOIL, AND SHOULD BE FURTHER DEVELOPED ON A LARGER SCALE AT A SMALL CONTAMINATED SITE UNDER CAREFULLY CONTROLLED CONDITIONS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013276

PUBLICATION DATE: JUN 85

TITLE: VOLATILE ORGANIC CHEMICALS: METHODS AND MONITORING DOCUMENT (DRAFT).

DESCRIPTOR: *CHEMICALS; *COMPLIANCE; *DRAFT DOCUMENT; *ORGANIC CHEMICALS; *MONITORING; *VOLATILE ORGANIC CHEMICALS; *USEPA; *WATER QUALITY

DESCRIPTIVE NOTE: 124P. PRICE CODE: PC A06/MF A01. ORDER NO.: PB86-118197/WEP

ABSTRACT: THE OFFICE OF DRINKING WATER (ODW) AND TECHNICAL SUPPORT DIVISION (TSD), U.S. ENVIRONMENTAL PROTECTION AGENCY HAVE PREPARED A METHODS AND MONITORING DOCUMENT FOR VOLATILE ORGANIC CHEMICALS IN DRINKING WATER. THE PURPOSE OF THIS DOCUMENT IS TO PRODUCE INFORMATION WHICH WILL SERVE AS A BASIS FOR THE DEVELOPMENT OF COMPLIANCE MONITORING REQUIREMENTS FOR THE VOLATILE ORGANIC CHEMICALS IN EPA'S MAXIMUM CONTAMINANT LEVEL (MCL) PROPOSAL.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013277

PUBLICATION DATE: SEP 85

TITLE: ASSESSMENT OF EPA'S HAZARDOUS WASTE ENFORCEMENT STRATEGY.

DESCRIPTOR: *COMPLIANCE; GAO; *HAZARDOUS WASTES; *ENFORCEMENT; *MANAGEMENT; *PERFORMANCE EVALUATION; *PROGRAM REVIEW; *RCRA; *USEPA

DESCRIPTIVE NOTE: 25P. FREE OF CHARGE

ABSTRACT: THIS IS A REVIEW OF THE USEPA'S RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) COMPLIANCE, MONITORING, AND ENFORCEMENT STRATEGY. RESULTS OF THE REVIEW ARE REPORTED. EPA IS WORKING TO IMPROVE THE CLARITY AND ENFORCEABILITY OF THE APPLICABLE REGULATORY REQUIREMENTS. ITS STRATEGY SEEMS TO PROVIDE A DETAILED FRAMEWORK FOR INSPECTION, FOLLOW-UP, AND ENFORCEMENT AT HAZARDOUS WASTE FACILITIES. EPA'S STRATEGY DOES NOT, HOWEVER, (1) IDENTIFY THE EPA AND STATE RESOURCES, SKILLS MIX, AND TRAINING NECESSARY TO ACHIEVE THE COMPLIANCE GOAL, (2) PROVIDE A MEANS FOR MEASURING PROGRESS TOWARD ACHIEVING THE GOAL, OR (3) PROVIDE FOR COMMUNICATING THE GOAL TO THE STATES, WHICH ARE LARGELY RESPONSIBLE FOR THE STRATEGY'S IMPLEMENTATION.

AVAILABILITY: U.S. GENERAL ACCOUNTING, P.O. BOX 6015, GAITHERSBURG, MD 20877

IRIS ACCESSION NUMBER: EW013287

PUBLICATION DATE: 85

TITLE: HOMEOWNER'S GUIDE TO DOMESTIC WELLS.

PERSONAL AUTHOR: SEVEBECK, KATHRYN; AND OTHERS

DESCRIPTOR: *DRINKING WATER; *GROUNDWATER; *VIRGINA; *WELL MAINTENANCE; *WELLS; *WATER TREATMENT; *WATER QUALITY

DESCRIPTIVE NOTE: 31P. FREE OF CHARGE

ABSTRACT: THIS BOOKLET IS DESIGNED FOR USE BY HOMEOWNERS WITH PRIVATE WELLS IN VIRGINIA. SECTIONS IN THE BOOKLET INCLUDE: (1) WHAT IS GROUNDWATER?; (2) DOMESTIC WEELS IN VIRGINIA?; (3) TREATING DRINKING WATER?; (4) WELL MAINTENANCE; (5) TESTING DRINKING WATER; (6) PRECAUTIONS FOR HOME BUYERS; (7) PROTECTING YOUR GROUNDWATER; AND (8) CONCLUSIONS.

AVAILABILITY: VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY, WATER RESOURCES RESEARCH CENTER, 617 NORTH MAIN STREET, BLACKSBURG, VA 24060

IRIS ACCESSION NUMBER: EW013288

PUBLICATION DATE: 84

TITLE: A GROUNDWATER PRIMER FOR VIRGINIANS.

PERSONAL AUTHOR: SPONENBERG, TORSTEN D.; KAHN, JACOB H.

DESCRIPTOR: *CONTAMINATION; *GROUNDWATER; *DRINKING WATER; *REGULATIONS; *VIRGINIA; *WATER POLLUTION CONTROL; *WATER QUALITY; *WATER SUPPLY; *WATER RESOURCES

DESCRIPTIVE NOTE: 29P. FREE OF CHARGE AS LONG AS SUPPLY LASTS.

ABSTRACT: THIS BOOKLET INTRODUCES THE READER TO GROUNDWATER PROPERTIES, GROUNDWATER IN VIRGINIA, CONTAMINATION THAT CAN THREATEN GROUNDWATER QUALITY, AND WAYS OF PROTECTING GROUNDWATER.

AVAILABILITY: VIRGINIA POLYTHECHNIC INSTITUTE AND STATE UNIVERSITY, WATER RESOURCES RESEARCH CENTER, 617 NORTH MAIN STREET, BLACKSBURG, VA 24060

IRIS ACCESSION NUMBER: EW013289

PUBLICATION DATE: 85

TITLE: 1985 ANNUAL REPORT. GREAT LAKES SCIENCE ADVISORY BOARD - REPORT TO THE INTERNATIONAL JOINT COMMISSION.

DESCRIPTOR: *DATA SOURCES; ENVIRONMENT; *ENVIRONMENTAL IMPACT; *GREAT LAKES; *MANAGEMENT; MODELS; *WATER QUALITY

DESCRIPTIVE NOTE: 52P.

ABSTRACT: THIS IS THE 1985 ANNUAL REPORT OF THE GREAT LAKES SCIENCE ADVISORY BOARD TO THE INTERNATIONAL JOINT COMMISSION. INCLUDED ARE REPORTS RELATED TO IMPACTS, MANAGEMENT, AND DATA SOURCES.

AVAILABILITY: GREAT LAKES REGIONAL OFFICE, 100 OUELLETTE AVE., WINDSOR, ONTARIO N9A 6T3 CANADA

IRIS ACCESSION NUMBER: EW013294

PUBLICATION DATE: 85

TITLE: 1985 ANNUAL INDEX TO ENVIRONMENTAL POLLUTION AND CONTROL. AN ABSTRACT NEWSLETTER.

DESCRIPTOR: *AIR POLLUTION; *ANNUAL INDEXES; BIBLIOGRAPHIES; *ENVIRONMENTAL HEALTH; *INDEXES; *ENVIRONMENTAL IMPACTS; *NOISE POLLUTION; *PESTICIDES; *POLLUTION CONTROL; *RESEARCH; *SAFETY; *SOLID WASTES; *WATER POLLUTION CONTROL; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 253P. PRICE CODE: PB85-906852

ABSTRACT: THIS IS THE ANNUAL INDEX FOR NTIS COVERING ABSTRACTS THAT APPEARED IN THE ENVIRONMENTAL POLLUTION AND CONTROL ABSTRACT NEWSLETTER FOR JANUARY 1-DECEMBER 17, 1985. TOPICS COVERED INCLUDE AIR, NOISE, SOLID WASTES, WATER, PESTICIDES, RADIATION, ENVIRONMENTAL HEALTH AND SAFETY, AND ENVIRONMENTAL IMPACTS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013296

PUBLICATION DATE: NOV 85

TITLE: EPA-FMFIA - EPA'S IMPLEMENTATION OF THE FEDERAL MANAGERS' FINANCIAL INTEGRITY ACT.

DESCRIPTOR: *CONTROL SYSTEMS; *FEDERAL MANAGERS' FINANCIAL INTEGRITY ACT; *GAO; *INTERNAL CONTROLS; *MANAGEMENT; *ACCOUNTING SYSTEMS; *RECOMMENDATIONS; *USEPA

DESCRIPTIVE NOTE: 90P. FREE OF CHARGE.

ABSTRACT: THIS REPORT PRESENTS THE RESULTS OF THE REVIEW OF THE EPA'S IMPLEMENTATION OF THE FEDERAL MANAGERS' FINANCIAL INTEGRITY ACT OF 1982. FINDINGS AND RECOMMENDATIONS ARE INCLUDED.

AVAILABILITY: U.S. GENERAL ACCOUNTING OFFICE, P.O. BOX 6015, GAITHERSBURG, MD 20877

IRIS ACCESSION NUMBER: EW013297

PUBLICATION DATE: DEC 85

TITLE: CHEMICAL INVENTORY. ENVIRONMENTAL PROTECTION AGENCY'S PROPOSED INVENTORY UPDATE.

DESCRIPTOR: *CHEMICALS; *CHEMICAL SUBSTANCE INVENTORY; *GAO; *PROGRAM REVIEWS; *TOXIC SUBSTANCES CONTROL ACT; *USEPA

DESCRIPTIVE NOTE: 23P. FREE OF CHARGE.

ABSTRACT: REPORTED IS THE GAO REVIEW OF USEPA'S PROPOSED APPROACH FOR UPDATING ITS CHEMICAL SUBSTANCE INVENTORY. THE REPORT INCLUDES SECTIONS ON (1) THE OBJECTIVES, SCOPE, AND METHODOLOGY AND (2) A REVIEW OF EPA'S PROPOSED UPDATE OF THE CHEMICAL SUBSTANCE INVENTORY.

AVAILABILITY: U.S. GENERAL ACCOUNTING OFFICE, P.O. BOX 6015, GAITHERSBURG, MD 20877

IRIS ACCESSION NUMBER: EW013298

PUBLICATION DATE: 85

TITLE: HEARING BEFORE THE COMMITTEE ON ENVIRONMENT AND PUBLIC WORKS UNITED STATES SENATE - THE ABILITY TO RESPOND TO TOXIC CHEMICAL EMERGE

DESCRIPTOR: *CHEMICALS; *CONGRESSIONAL HEARINGS; *EMERGENCIES; ENVIRONMENT; FEDERAL ROLE; *LEGISLATION; *POLICIES; *PUBLIC HEALTH; *REGULATIONS; *SAFETY; *TOXIC SUBSTANCES; USEPA

DESCRIPTIVE NOTE: 212P.

ABSTRACT: THE PUBLICATION IS A REPORT OF THE HEARING PRESENTED BEFORE THE COMMITTEE ON ENVIRONMENT AND PUBLIC WORKS OF THE UNITED STATES SENATE ON FEBRUARY 18, 1985. THE TOPIC OF THE HEARING RELATED TO THE ABILITY TO RESPOND TO TOXIC CHEMICAL EMERGENCIES. INCLUDED ARE STATEMENTS OF VARIOUS PRESENTERS, SUBMITTED MATERIALS, AND QUESTION AND ANSWER SESSIONS.

AVAILABILITY: U.S. GPO, WASHINGTON, DC

IRIS ACCESSION NUMBER: EW013337

PUBLICATION DATE: MAY 86

TITLE: MANAGING EFFICIENCY OF PUMP OPERATIONS.

PERSONAL AUTHOR: CHESTERMAN, DIANA
DESCRIPTOR: *COMPUTER APPLICATIONS; *COSTS; *EQUIPMENT; *MAINTENANCE; *PREVENTIVE MAINTENANCE; *PERFORMANCE EVALUATION; *PUMP-MATE; *PUMPS

DESCRIPTIVE NOTE: 24P.

ABSTRACT: DESCRIBED IS A PRODUCT FOR TESTING PUMP EFFICIENCY. THE PUMP-MATE PROVIDES INFORMATION THAT CAN BE USED FOR PREVENTIVE MAINTENANCE, ADJUSTMENT OF PUMPS, AND COST-EFFECTIVENESS OF OPERATING.

AVAILABILITY: WATERWORLD NEWS; V2 N3

IRIS ACCESSION NUMBER: EW013601

PUBLICATION DATE: MAY 86

TITLE: MICHIGAN'S INFRASTRUCTURE: PRIORITIES FOR THE FUTURE.

DESCRIPTOR: ENVIRONMENT; GOVERNMENT; *INFRASTRUCTURE; *MICHIGAN; ELEMENTARY EDUCATION; SECONDARY EDUCATION; *NEEDS; *PRIORITIES; *RECOMMENDATIONS; SOLID WASTES; TRANSPORTATION; WASTEWATER TREATMENT; WATER SUPPLY

DESCRIPTIVE NOTE: 51P.

ABSTRACT: THIS PUBLICATION REVIEWS THE INTRASTRUCTURE NEEDS AND PRIORITIES FOR THE STATE OF MICHIGAN. CATEGORIES CONSIDERED INCLUDE (1) ENVIRONMENTAL INFRASTRUCTURE CATEGORIES, (2) EDUCATIONAL INFRASTRUCTURE CATEGORIES, (3) TRANSPORTATION INFRASTRUCTURE CATEGORIES, AND (4) GOVERNMENT INFRASTRUCTURE.

AVAILABILITY: MICHIGAN INFRASTRUCTURE COALITION, P.O. BOX 13023, LANSING, MI 48901

IRIS ACCESSION NUMBER: EW013736

PUBLICATION DATE: JUL 86

TITLE: LOUISIANA'S APPROACH TO HAZARDOUS MATERIALS INCIDENTS.

PERSONAL AUTHOR: TOUCHARD, PAT

DESCRIPTOR: *EMERGENCY RESPONSE; *HAZARDOUS MATERIALS; *HEALTH EFFECTS; *LOUISIANA; *POLLUTION CONTROL; *REGULATIONS; *SAFETY; *TRANSPORTATION

DESCRIPTIVE NOTE: 8-12P.

ABSTRACT: DESCRIBED IS THE STATE OF LOUISIANA'S APPROACH FOR HANDLING HAZARDOUS MATERIALS INCIDENTS.

AVAILABILITY: INDUSTRIAL FIRE WORLD; V1 N2

IRIS ACCESSION NUMBER: EW013737
PUBLICATION DATE: JUL 86

TITLE: HAZARDOUS MATERIALS EMERGENCY RESPONSE WITH PRIVATE CONTRACTORS.

PERSONAL AUTHOR: POWELL, RICK; DAY DENNY

DESCRIPTOR: *CONTRACTORS; *COSTS; *EMERGENCY RESPONSE; *HAZARDOUS MATERIALS; *HEALTH EFFECTS; *MANAGEMENT; *SAFETY; *PRIVATE CONTRACTORS; *POLLUTION CONTROL; *HAZARDOUS WASTES

DESCRIPTIVE NOTE: 14-16P.

ABSTRACT: DESCRIBED ARE ADVANTAGES OF USING PRIVATE CONTRACTORS FOR EMERGENCY RESPONSES FOR HAZARDOUS MATERIALS INCIDENTS.

AVAILABILITY: INDUSTRIAL FIRE WORLD; V1 N2

IRIS ACCESSION NUMBER: EW013738

PUBLICATION DATE: JUL 86

TITLE: HAZMAT TRAINING.

PERSONAL AUTHOR: WILKINSON, BONNIE R.

DESCRIPTOR: *COURSES; *EMERGENCY RESPONSE; *HAZARDOUS MATERIALS; *INSTRUCTION; *TEXAS; *TRAINING; *MANAGEMENT; *SAFETY; *POLLUTION CONTROL

DESCRIPTIVE NOTE: 20-22P.

ABSTRACT: DESCRIBED IS A FIVE-DAY HAZARDOUS MATERIALS INCIDENT RESPONSE COURSE PROVIDED BY TEXAS A&M UNIVERSITY. SOME OTHER COURSES ARE ALSO OFFERED.

AVAILABILITY: INDUSTRIAL FIRE WORLD; V1 N2

IRIS ACCESSION NUMBER: EW013739

PUBLICATION DATE: JUL 86

TITLE: MATERIAL SAFETY DATA SHEETS (MSDS) LOCKBOX.

PERSONAL AUTHOR: WHITE, DAVID

DESCRIPTOR: *ACCIDENT PREVENTION; *EMERGENCY RESPONSE; *HAZARDOUS MATERIALS; *LOCKBOXES; *SAFETY; *MATERIALS HANDLING

DESCRIPTIVE NOTE: 25-26P.

ABSTRACT: DESCRIBED ARE THE ADVANTAGES OF THE USE OF A LOCKBOX FOR MATERIAL SAFETY DATA SHEETS.

AVAILABILITY: INDUSTRIAL FIRE WORLD; V1 N2

IRIS ACCESSION NUMBER: EW013778

PUBLICATION DATE: DEC 85

TITLE: EPA (ENVIRONMENTAL PROTECTION AGENCY) GUIDE FOR IDENTIFYING CLEANUP ALTERNATIVES AT HAZARDOUS-WASTE SITES AND SPILLS: BIOLOGICAL T

DESCRIPTOR: *ALTERNATIVE TECHNOLOGY; *BIOLOGICAL TREATMENT; *CLEANUP; *GUIDES; *HAZARDOUS WASTES; *SPILLS; *USEPA; *WASTE TREATMENT

DESCRIPTIVE NOTE: 129P. PRICE CODE: PC A07/MF A01. ORDER NO.: PB86-144664/WEP

ABSTRACT: THE DOCUMENT PROVIDES GUIDANCE TO HELP DECIDE WHETHER OR NOT BIOLOGICAL TREATMENT IS AN APPROPRIATE COMPONENT OF THE REMEDIAL ACTION PROCESS AT A HAZARDOUS-WASTE SITE OR SPILL. THE GUIDE DESCRIBES BIOLOGICAL TREATMENT METHODS, CONDITIONS AND FACTORS THAT LIMIT THE USE OF BIOTREATMENT, AND TYPES OF DATA NEEDED TO EVALUATE AND SELECT BIOTREATMENT METHODS. FLOW CHARTS ARE INCLUDED TO HELP USERS DETERMINE THE USEFULNESS OF EACH BIOTREATMENT METHOD AT SPECIFIC HAZARDOUS WASTE SITES AND SPILLS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013779

PUBLICATION DATE: OCT 85

TITLE: PROCEEDINGS OF THE SEMINAR/WORKSHOP ON ANAEROBIC TREATMENT OF SEWAGE HELD AT AMHERST, MASSACHUSETTS ON JUNE 27-28, 1985.

PERSONAL AUTHOR: SWITZENBAUM, M. S.

DESCRIPTOR: *CONFERENCE PROCEEDINGS; *ANAEROBIC TREATMENT; *OPERATIONS (WASTEWATER); *SEWAGE; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 383P. PRICE CODE: PC A17/MF A01. ORDER NO.: PB86-151990/WEP

ABSTRACT: PAPERS PRESENTED AT THE CONFERENCE COVER BOTH THE THEORY AND THE APPLICATION OF ANAEROBIC TREATMENT OF SEWAGE. THE PUBLICATION ALSO CONTAINS THE TRANSCRIPT OF THE POST-PRESENTATION DISCUSSIONS. PARTICIPANTS, FROM THE UNITED STATES AND OTHER COUNTRIES, ARE LISTED.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013780

PUBLICATION DATE: MAR 86

TITLE: WASTEWATER TREATMENT BY SAND FILTRATION. 1977-FEBRUARY 1986 (CITATIONS FROM THE SELECTED WATER RESOURCES ABSTRACTS DATA BASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; *BIBLIOGRAPHIES; *FILTRATION; *OPERATIONS (WASTEWATER); *SAND FILTRATION; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 120P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-860053/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE USE OF SAND FILTRATION IN THE TREATMENT OF WASTEWATER. TREATMENT SYSTEMS FOR BOTH DOMESTIC AND INDUSTRIAL EFFLUENTS ARE DISCUSSED. DESIGN, PROCESSES, APPLICATIONS, AND PERFORMANCE EVALUATIONS OF SAND FILTERS, COLUMNS AND MOUNDS AS PRIMARY FILTERING MECHANISMS ARE INCLUDED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 107 CITATIONS, 36 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013781

PUBLICATION DATE: FEB 86

TITLE: COAL TAR HAZARDS. 1976-FEBRUARY 1986 (CITATIONS FROM THE ENERGY DATA BASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *COAL TARS; *ENVIRONMENTAL HAZARDS; *HEALTH HAZARDS; *COAL INDUSTRY; *COAL MINING; *OCCUPATIONAL HAZARDS; *SAFETY

DESCRIPTIVE NOTE: 205P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-859691/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING OCCUPATIONAL AND ENVIRONMENTAL HAZARDS OF COAL TAR. TOPICS INCLUDE EFFLUENT TREATMENT, EMISSION CONTROL TECHNIQUES, AND OCCUPATIONAL SAFETY IN THE COKING AND COAL MINING INDUSTRY. HEALTH HAZARD EVALUATIONS, ENVIRONMENTAL SURVEYS, TECHNOLOGICAL ASSESSMENTS OF INDUSTRIAL PROCESSES, AND RESPIRATORY PROTECTION FACILITIES ARE PRESENTED. CARCINOGENIC HAZARDS OF COAL DUST ARE ALSO DISCUSSED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 207 CITATIONS, 48 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013782

PUBLICATION DATE: MAR 86

TITLE: SAFETY IN THE CHEMICAL INDUSTRY. 1970-FEBRUARY 1986 (CITATIONS FROM THE ENGINEERING INDEX DATA BASE).

DESCRIPTOR: *ACCIDENT PREVENTION; *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *CHEMICALS; *CHEMICAL INDUSTRY; *FACILITIES; *HEALTH; *EQUIPMENT; *SAFETY; *TRAINING

DESCRIPTIVE NOTE: 184P. PRICE CODE: PC N01/MF N01. ORDER

NO.: PB86-860004/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING SAFETY AND HEALTH IN CHEMICAL PROCESS PLANTS. TOPICS COVERED INCLUDE BUILDING AND PLANT LAYOUT, MACHINERY, PRESSURE VESSELS, FLAMMABLE LIQUIDS, FIRE AND EXPLOSION PREVENTION, INDUSTRIAL HYGIENE, AND LABORATORY SAFETY. THE TRAINING OF SAFETY PROFESSIONALS IS ALSO DISCUSSED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 262 CITATIONS, 28 OF WHICH ARE NEW ENTERIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013783

PUBLICATION DATE: DEC 85

TITLE: DIRECTORY OF COMMERCIAL HAZARDOUS WASTE TREATMENT AND RECYCLING FACILITIES.

PERSONAL AUTHOR: BASSI, J.

DESCRIPTOR: *DIRECTORIES; *COMMERCIAL FACILITIES; FACILITIES; *HAZARDOUS WASTES; *RECYCLING; *WASTE TREATMENT

DESCRIPTIVE NOTE: 126P. PRICE CODE: PC A07/MF A01. ORDER NO.: PB86-178431/WEP

ABSTRACT: THE DOCUMENT PROVIDES A LISTING OF COMMERCIAL FACILITIES THAT ACCEPT HAZARDOUS WASTE FOR TREATMENT AND/OR RECYCLING. FOR EACH COMMERCIAL FACILITY, THE DIRECTORY PROVIDES THE FACILITY NAME, ADDRESS, TELEPHONE NUMBER, CONTACT, CATEGORIES OF TREATMENT (I.E. TANKS, SURFACE IMPOUNDMENTS, INCINERATION, AND OTHER), AND WHEN AVAILABLE, TYPES OF HAZARDOUS WASTE MANAGED AT THE FACILITY.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013784

PUBLICATION DATE: 85

TITLE: BIOTECHNOLOGY FOR ENVIRONMENTAL CONTROL AND WASTE TREATMENT.

PERSONAL AUTHOR: DONALDSON, T. L.; AND OTHERS

DESCRIPTOR: *AUDIOVISUAL AIDS; *BIOTECHNOLOGY; *ANAEROBIC DIGESTION; *INDUSTRIAL WASTES; *MUNICIPAL WASTES; *SLIDES; *WASTE TREATMENT; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 16P. PRICE CODE: PC A02/MF A01. ORDER NO.: DE86006067/WEP

ABSTRACT: A SLIDE SHOW IS REPRODUCED TO REVIEW THE TECHNOLOGY OF ANAEROBIC DIGESTION AS A PROCESS FOR CLEANING WASTE WATER FROM MUNICIPAL AND INDUSTRY WASTES. RADIOACTIVE WASTES ARE ADDRESSED ALSO.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013785

PUBLICATION DATE: APR 86

TITLE: HAZARDOUS WASTE TREATMENT AND DISPOSAL. 1970-APRIL 1986 (CITATIONS FROM THE U.S. PATENT DATABASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; *BIBLIOGRAPHIES; *HAZARDOUS WASTES; *PATENTS; *WASTE TREATMENT; *WASTE DISPOSAL; *WASTE STORAGE

DESCRIPTIVE NOTE: 54P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-863966/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS OF SELECTED PATENTS CONCERNING METHODS AND EQUIPMENT UTILIZED IN THE TREATMENT AND DISPOSAL OF LIQUID AND SOLID HAZARDOUS MATERIALS. THERMAL TREATMENT, ENCAPSULATION, STORAGE, AND MONITORING OF HAZARDOUS WASTES ARE DESCRIBED. RADIOACTIVE WASTES ARE INCLUDED. (CONTAINS 51 CITATIONS FULLY INDEXEDED AND INCLUDING A TITLE LIST.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013786

PUBLICATION DATE: SEP 85

TITLE: TERRESTRIAL TOXICITY DATA BASE (TERRE-TOX), 1970-1985.

PERSONAL AUTHOR: MEYERS, S. M.; AND OTHERS

DESCRIPTOR: *ANIMALS; *CHEMICALS; *DATABASE; *ENVIRONMENTAL IMPACT; ENVIRONMENT; *TERRE-TOX; *TOXIC SUBSTANCES; USEPA

DESCRIPTIVE NOTE: PRICE CODE: CP T03. ORDER NO.: PB86-178043/WEP

ABSTRACT: TERRE-TOX IS A NEW DATA BASE DEVELOPED FOR THE U.S. ENVIRONMENTAL PROTECTION AGENCY TO AID IN EVALUATING PRE-MANUFACTURING NOTICES AND RESEARCH. TERRE-TOX CONTAINS PUBLISHED (1970 TO PRESENT) INFORMATION ON TOXICITY OF ANTHROPOGENIC SUBSTANCES TO TERRESTRIAL ANIMALS. CURRENTLY, SPECIES ARE LIMITED TO WILDLIFE, BEES, EARTHWORMS, AND LABORATORY RODENTS WHERE THE SUBSTANCE INVOLVED IS LIKELY TO AFFECT WILDLIFE. THE STUDIES DEAL WITH ACUTE TOXICITY, BEHAVIOR, REPRODUCTION, PHYSIOLOGICAL AND BIOCHEMICAL RESPONSES. ADDITIONAL INFORMATION ON THE CHEMICAL USED FOR EACH STUDY (CAS NUMBER, PURITY, SYNONYMS), TEST ORGANISMS (SPECIES, COMMON NAME, AGE), AND TEST CONDITIONS (ROUTE OF ADMINISTRATION, DOSE REGIMEN, RANGE OF DOSES) IS ALSO PROVIDED. TERRE-TOX IS DESIGNED TO BECOME PART OF SPHERE (SCIENTIFIC PARAMETERS FOR HEALTH AND ENVIRONMENT, RETRIEVAL AND ESTIMATION) WITHIN THE CHEMICAL INFORMATION SYSTEM.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013787

PUBLICATION DATE: MAY 86

TITLE: TOXICITY OF BERYLLIUM. JUNE 1976-APRIL 1986 (CITATIONS FROM THE ENERGY DATA BASE).

DESCRIPTOR: *AIR POLLUTION CONTROL; *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *BERYLLIUM; *HEALTH HAZARDS; *POLLUTION CONTROL; *TOXIC SUBSTANCES; *WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 137P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-864394/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE HEALTH HAZARDS, ACTUAL AND POTENTIAL CARCINOGENICITY, AND OTHER TOXIC AND ADVERSE EFFECTS OF BERYLLIUM ON HUMANS, ANIMALS, AND PLANTS. THE DETECTION, CHARACTERIZATION, AND REMOVAL OF BERYLLIUM IN BOTH AQUATIC AND ATMOSPHERIC SYSTEMS ARE DISCUSSED. IN ADDITION, THE DETECTION AND REMOVAL OF BERYLLIUM IN GAS COMBUSTION EFFLUENT GAS AND EXTRACION/PROCESSING PLANTS ARE CONSIDERED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 143 CITATIONS, 42 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013789

PUBLICATION DATE: 86

TITLE: WASTE TREATMENT FOR INDUSTRIAL AND MUNICIPAL WASTES.

DESCRIPTOR: *ANFLOW PROCESS; *ECONOMICS; *INDUSTRIAL WASTES; *OPERATIONS (WASTEWATER); *MUNICIPAL WASTES; *RURAL AREAS; *WASTE TREATMENT; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 5P. PRICE CODE: PC A02/MF A01. ORDER NO.: DE86006225/WEP

ABSTRACT: THE NEED FOR AN ECONOMICAL WASTE WATER TREATMENT PROCESS FOR SMALL MUNICIPALITIES WAS THE DRIVING FORCE BEHIND THE INITIAL ORNL RESEARCH CONCERNING THE ANFLOW PROCESS. ORNL'S VERSION OF THE ANFLOW PROCESS IS INTENDED FOR THE TREATMENT OF MUNICIPAL WASTEWATER. COMMERCIAL MUNICIPAL WASTEWATER TREATMENT SYSTEMS ARE AEROBIC. THE POTENTIAL ADVANTAGES OF ORNL'S VERSION OF THE ANFLOW PROCESS, IN COMPARISON WITH OFF-THE-SHELF AEROBIC SYSTEMS, ARE LOWER CAPITAL AND OPERATING COSTS, SMALLER ECONOMIES-OF-SCALE, NOT AS LAND INTENSIVE, AND SIMPLER TO OPERATE AND MAINTAIN. SINCE THE SUCCESSFUL COMPLETION OF THE INITIAL ORNL RESEARCH WORK, TWO ANFLOW UNITS HAVE BEEN INSTALLED AND OPERATED.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013790

PUBLICATION DATE: APR 86

TITLE: PERSPECTIVE ON PERFORMANCE VARIABILITY IN MUNICIPAL WASTEWATER TREATMENT FACILITIES.

PERSONAL AUTHOR: ROSSMAN, L. A.; CONVERY, J. J.

DESCRIPTOR: *EFFLUENT; *FACILITIES; *PERFORMANCE EVALUATION; *OPERATIONS (WASTEWATER); *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 11P. PRICE CODE: PC A02/MF A01. ORDER NO.: PB86-176377/WEP

ABSTRACT: EXCESSIVE VARIABILITY IN EFFLUENT QUALITY CAN CAUSE WASTEWATER TREATMENT PLANTS TO FAIL TO MEET THEIR DISCHARGE PERMIT LIMITS. THE PAPER SUMMARIZES THE NATURE, CAUSES, AND CONTROL OF THE VARIABILITY. IT DISCUSSES STUDIES MADE ON THE DIFFERENCES IN PERFORMANCE VARIABILITY OBSERVED AMONG PLANTS, THE STATISTICAL CHARACTERIZATION OF THIS VARIABILITY, AND INVESTIGATIONS INTO ITS CAUSES. METHODS OF CONTROLLING AND ACCOMMODATING EFFLUENT VARIABILITY ARE BRIEFLY REVIEWED.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013791

PUBLICATION DATE: 85

TITLE: USE OF IMMUNOFLUORESCENCE AND PHASE-CONTRAST MICROSCOPY FOR DETECTION AND IDENTIFICATION OF 'GIARDIA' CYSTS IN WATER SAMPLES.

PERSONAL AUTHOR: SAUCH, J. F.

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *GIARDIA; *MICROSCOPY; *IMMUNOFLUORESCENCE; *LABORATORY PROCEDURES; *MICROBIOLOGY; *MONITORING; *WATER SUPPLY; *WATER TREATMENT

DESCRIPTIVE NOTE: 6P. PRICE CODE: PC A02/MF A01. ORDER NO.: PB86-177771/WEP

ABSTRACT: A METHOD WAS DEVELOPED IN WHICH INDIRECT IMMUNOFLUORESCENCE AND PHASE-CONTRAST MICROSCOPY ARE USED FOR RAPID DETECTION AND INDENTIFICATION OF GIARDIA CYSTS IN RAW AND FINISHED WATER SUPPLIES. WHEN ANTI-GIARDIA CYST ANTISERUM AND FLUORESCEIN CONJUGATE WERE APPLIED TO KNOWN GIARDIA CYSTS ON MEMBRANE FILTERS, THE CYSTS FLUORESCED BRIGHT GREEN WHEN THEY WERE ILLUMINATED BY UV LIGHT. THIS PROCEDURE PERMITTED INDIVIDUAL CYSTS TO BE QUICKLY LOCATED EVEN IN SAMPLES HEAVILY CONTAMINATED WITH OTHER MICROORGANISMS AND DEBRIS. THE IDENTITY OF PRESUMPTIVE GIARDIA CYSTS LOCATED IN THIS WAY COULD THEN BE CONFIRMED BY OBSERVING CHARACTERISTIC INTERNAL MORPHOLOGICAL FEATURES WITH PHASE-CONTRAST MICROSCOPY. WITH THIS METHOD, GIARDIA

CYSTS WERE DETECTED AND THEIR IDENTITIES WERE CONFIRMED IN SAMPLES TAKEN FROM RAW AND FINISHED SURFACE WATER SUPPLIES DURING SEVERAL RECENT OUTBREAKS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013792

PUBLICATION DATE: 86

TITLE: COMPARATIVE REMOVAL OF TOXIC POLLUTANTS BY SIX WASTEWATER TREATMENT PROCESSES.

PERSONAL AUTHOR: HANNAH, S. A.; AND OTHERS

DESCRIPTOR: *OPERATIONS (WASTEWATER); *PERFORMANCE EVALUATION; *POLLUTANTS; *PRIORITY POLLUTANTS; *ORGANIC CHEMICALS; *ACTIVATED SLUDGE; *TOXIC SUBSTANCES; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 10P. PRICE CODE: PC A02/MF A01. ORDER NO.: PB86-177797/WEP

ABSTRACT: FIVE PILOT SCALE WASTEWATER TREATMENT PROCESSES PROVIDING LESS THAN SECONDARY TREATMENT WERE EVALUATED FOR CAPABILITY TO REMOVE PRIORITY POLLUTANTS FROM MUNICIPAL WASTEWATER. THE SELECTED PROCESSES WERE PRIMARY CLARIFICATION PLUS FILTRATION, CHEMICAL CLARIFICATION, HIGH RATE TRICKLING FILTER, AERATED LAGOON AND FACULTATIVE LAGOON. A CONVENTIONAL ACTIVATED SLUDGE SYSTEM WAS OPERATED IN PARALLEL WITH THE ALTERNATIVE PROCESSES TO SERVE AS A CONTROL. WASTEWATER FEED WAS SPIKED WITH 21 ORGANICS DISSOLVED IN TOLUENE. REMOVALS OF AMBIENT LEVELS OF FIVE METALS WERE ALSO DETERMINED. THE CONTROL ACTIVATED SLUDGE PROVIDED THE BEST REMOVALS OF ORGANICS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013793

PUBLICATION DATE: AUG 83

TITLE: TECHNICAL GUIDANCE MANUAL FOR PERFORMING WASTE LOAD ALLOCATIONS. BOOK 4. LAKES AND IMPOUNDMENTS. CHAPTER 2. NUTRIENT/EUTHROPHIC

PERSONAL AUTHOR: MANCINI, J. L.; AND OTHERS

DESCRIPTOR: *EUTROPHICATION; *GUIDANCE MANUALS; *POLLUTION; *LAKES; *IMPOUNDMENTS; *NUTRIENTS; *WATER POLLUTION CONTROL; *WATER QUALITY; *WASTE LOAD ALLOCATIONS

DESCRIPTIVE NOTE: 189P. PRICE CODE: PC A09/MF A01. ORDER NO.: PB86-178928/WEP

ABSTRACT: THE CHAPTER IS ONE IN A SERIES OF MANUALS WHOSE PURPOSE IS TO PROVIDE TECHNICAL INFORMATION AND POLICY GUIDANCE FOR THE PREPARATION OF WASTE LOAD ALLOCATIONS (WLAS), WHICH ARE AS TECHNICALLY SOUND AS THE CURRENT STATE OF THE ART PERMITS. THE OBJECTIVES OF SUCH LOAD ALLOCATIONS ARE TO ENSURE THAT QUALITY CONDITIONS THAT PROTECT DESIGNATED BENEFICIAL USES ARE ACHIEVED. AN ADDITIONAL BENEFIT OF A TECHNICALLY SOUND WLA IS THAT EXCESSIVE DEGREES OF TREATMENT, WHICH ARE NEITHER NECESSARY NOR RESULT IN CORRESPONDING IMPROVEMENTS IN WATER QUALITY, CAN BE AVOIDED. THIS CAN RESULT IN A MORE EFFECTIVE UTILIZATION OF AVAILABLE FUNDS. THIS CHAPTER ADDRESSES NUTRIENT/EUTROPHICATION IMPACTS IN LAKES.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013794

PUBLICATION DATE: JUL 84

TITLE: TECHNICAL GUIDANCE MANUAL FOR PERFORMING WASTE LOAD ALLOCATIONS. BOOK 7. PERMIT AVERAGING PERIODS.

DESCRIPTOR: *GUIDANCE MANUALS; *POLLUTION; *PERMITS; *PERMIT AVERAGING PERIODS; *WATER POLLUTION CONTROL; *WATER QUALITY; *WASTE LOAD ALLOCATIONS

DESCRIPTIVE NOTE: 167P. PRICE CODE: PC A08/MF A01. ORDER NO.: PB86-178951/WEP

ABSTRACT: THE CONVENTIONAL APPROACH TO DEVELOPING WASTE LOAD ALLOCATIONS (WLAS) IS BASED ON A STEADY STATE ANALYSIS OF STREAM CONDITIONS, USING A DESIGN STREAM FLOW (USUALLY THE 7Q10) AND A RECEIVING WATER CONCENTRATION (USUALLY A WATER QUALITY STANDARD BASED ON CHRONIC CRITERIA) FOR THE POLLUTANT TO BE ALLOCATED. AN EFFLUENT CONCENTRATION LIMIT IS COMPUTED FOR THESE CONDITIONS, AND IS USED TO ESTABLISH THE NPDFS PERMIT CONDITIONS. THE METHOD USED TO EVALUATE THE EFFECT OF PERMIT AVERAGING PERIODS IS BASED ON A PROBABILISTIC DILUTION MODEL (PDM) IN WHICH IT IS ASSUMED THAT THE STREAM FLOWS, EFFLUENT FLOWS AND CONCENTRATION ARE LONG-NORMALLY DISTRIBUTED AND UNCORRELATED. THE LOG-NORMAL DISTRIBUTION IS KNOWN TO BE REPRESENTATIVE OF EFFLUENT BEHAVIOR AND TO ALMOST ALWAYS UNDER-ESTIMATE THE LOWEST STREAM FLOWS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013795

PUBLICATION DATE: NOV 83

TITLE: TECHNICAL GUIDANCE MANUAL FOR PERFORMING WASTE LOAD ALLOCATIONS. BOOK 2. STREAMS AND RIVERS. CHAPTER 2. NUTRIENT/EUTROPHICATION

DESCRIPTOR: *EUTROPHICATION; *GUIDANCE MANUALS; *NUTRIENTS; *POLLUTION; *RIVERS; *STREAMS; *WATER POLLUTION CONTROL; *WATER QUALITY; *WASTE LOAD ALLOCATIONS

DESCRIPTIVE NOTE: 139P. PRICE CODE: PC A07/MF A01. ORDER

NO.: PB86-178944/WEP
ABSTRACT: THE CHAPTER IS ONE OF A SERIES OF MANUALS WHOSE PURPOSE IS TO PROVIDE TECHNICAL INFORMATION AND POLICY GUIDANCE FOR THE PREPARATION OF TECHNICALLY SOUND, DEFENSIBLE WASTE LOAD ALLOCATIONS (WLAS). THE OBJECTIVE OF SUCH LOAD ALLOCATIONS IS TO ENSURE THAT ACCEPTABLE WATER QUALITY CONDITIONS WILL BE ACHIEVED OR MAINTAINED, SUCH THAT DESIGNATED BENEFICIAL USES ARE PROTECTED. AN ADDITIONAL BENEFIT DERIVED FROM THE PERFORMANCE OF A SOUND WLA IS THAT THE DETERMINATION OF MINIMUM ALLOWABLE LEVELS OF TREATMENT OF WASTEWATERS CAN RESULT IN A MORE EFFECTIVE UTILIZATION OF AVAILABLE FUNDS. THE CHAPTER ADDRESSES NUTRIENT/EUTROPHICATION IMPACTS IN STREAMS AND RIVERS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013796

PUBLICATION DATE: SEP 83

TITLE: TECHNICAL GUIDANCE MANUAL FOR PERFORMING WASTE LOAD ALLOCATIONS. BOOK 2. STREAMS AND RIVERS. CHAPTER 1. BIOCHEMICAL OXYGEN DEMA

PERSONAL AUTHOR: DRISCOLL, E. D.; AND OTHERS

DESCRIPTOR: *GUIDANCE MANUALS; *POLLUTION; *RIVERS; *STREAMS; *WATER POLLUTION CONTROL; *WATER QUALITY; *WASTE LOAD ALLOCATIONS

DESCRIPTIVE NOTE: 263P. PRICE CODE: PC A12/MF A01. ORDER NO.: PB86-178936/WEP

ABSTRACT: THE CHAPTER IS ONE IN A SERIES OF MANUALS WHOSE PURPOSE IS TO PROVIDE TECHNICAL INFORMATION AND POLICY GUIDANCE FOR THE PREPARATION OF WASTE LOAD ALLOCATIONS (WLAS), WHICH ARE AS TECHNICALLY SOUND AS CURRENT STATE OF THE ART PERMITS. THE OBJECTIVES OF SUCH LOAD ALLOCATIONS ARE TO ENSURE THAT QUALITY CONDITIONS THAT PROTECT DESIGNATED BENEFICIAL USES ARE ACHIEVED. AN ADDITIONAL BENEFIT OF A TECHNICALLY SOUND WLA IS THAT EXCESSIVE DEGREES OF TREATMENT, WHICH ARE NEITHER NECESSARY NOR RESULT IN CORRESPONDING IMPROVEMENT IN WATER QUALITY, CAN BE AVOIDED. THIS CHAPTER ADDRESSES BIOCHEMICAL OXYGEN DEMAND/DISSOLVED OXYGEN (BOD/DO) IMPACTS IN STREAMS AND RIVERS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013798

PUBLICATION DATE: MAY 86

TITLE: LAKE RESTORATION. 1977-MAY 1986 (CITATIONS FROM THE SELECTED WATER RESOURCES ABSTRACTS DATABASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *ECONOMICS; *ENVIRONMENT; *EUTROPHICATION; *LAKE RESTORATION; *LAKES
DESCRIPTIVE NOTE: 249P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-864832/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE ECONOMIC ASPECTS AND ENVIRONMENTAL EFFECTS OF LAKE RESTORATION/REHABILITATION. TOPICS INCLUDE AERATION/CIRCULATION, DILUTION/FLUSHING, SEDIMENT REMOVAL/DREDGING, AND NEUTRALIZING MATERIALS TO REDUCE ACIDIFICATION OF LAKES. EUTROPHICATION CONDITIONS AND SOLUTIONS ARE ALSO DISCUSSED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 215 CITATIONS, 102 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013799

PUBLICATION DATE: MAY 86

TITLE: WATER QUALITY: PATHOGENIC BACTERIA. 1977-APRIL 1986 (CITATIONS FROM THE SELECTED WATER RESOURCES ABSTRACTS DATABASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *BACTERIA; *MICROBIOLOGY; *PATHOGENIC BACTERIA; *WASTEWATER TREATMENT; *WATER QUALITY

DESCRIPTIVE NOTE: 244P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-865144/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING WATER QUALITY, WASTEWATER TREATMENT, AND THE PRESENCE, SURVIVAL, AND HAZARDS OF PATHOGENIC MICROORGANISMS. THE PROBABLE SOURCES AND FACTORS AFFECTING THE SURVIVAL OF THE BACTERIA ARE CONSIDERED. DETECTION METHODS AND PHYSICAL AND CHEMICAL TREATMENT METHODS ARE DISCUSSED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 237 CITATIONS, 15 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013800

PUBLICATION DATE: FEB 86

TITLE: RISK OF INFECTIOUS DISEASE FROM USE OF SLUDGE ON LAND AND METHODS TO REDUCE THESE RISKS.

PERSONAL AUTHOR: FARRELL, J. B.

DESCRIPTOR: *BACTERIA; *DISEASE; *HEALTH; *HELMINTHS; *LAND APPLICATION; *PROTOZOA; *SLUDGE; *WASTE DISPOSAL; *WASTEWATER TREATMENT; *VIRUSES

DESCRIPTIVE NOTE: 16P. PRICE CODE: PC A02/MF A01. ORDER NO.: PB86-166378/WEP

ABSTRACT: VIRTUALLY ALL OF THE INFECTIOUS ORGANISMS IN WASTEWATER END UP IN THE SLUDGE REMOVED IN THE COURSE OF WASTEWATER TREATMENT. THE HEALTH RISKS TO HUMANS WHEN SLUDGES ARE APPLIED TO LAND DEPEND ON THE DENSITIES OF THESE ORGANISMS, REDUCTIONS THAT OCCUR WHEN THE SLUDGE IS PROCESSED, THE HARDINESS OF THE ORGANISMS ON OR IN THE LAND SURFACES, AND THE AVAILABLE PATHWAYS TO MAN. THE PRESENTATION DISCUSSES EACH OF THESE ISSUES FOR PATHOGENIC BACTERIA, VIRUSES, PROTOZOA, AND HELMINTHS. THE COMBINATION OF SLUDGE PROCESSING REQUIREMENTS AND OTHER CONTROLS, SUCH AS CONTROL OF ACCESS AND TYPE OF CROPS GROWING, USED BY THE U.S. EPA IN THEIR REGULATIONS GOVERNING SLUDGE USE ON LAND ARE PRESENTED AND DISCUSSED.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013801

PUBLICATION DATE: OCT 85

TITLE: SYNOPSIS OF SCIENTIFIC LITERATURE ON PHENOXY HERBICIDES AND ASSOCIATED DIOXINS. NUMBER 2 (VOLUMES 5 AND 6).

DESCRIPTOR: *CHEMICALS; *DIOXIN; *HEALTH EFFECTS; *HERBICIDES; *LITERATURE REVIEWS; *PHENOXY HERBICIDES

DESCRIPTIVE NOTE: 19P. PRICE CODE: PC A02/MF A01. ORDER NO.: PB86-169158/WEP

ABSTRACT: THE CURRENT SYNOPSIS, A REVIEW OF VOLUMES V AND VI, CONTINUES THE EFFORT OF THE VETERANS ADMINISTRATION TO PROVIDE FOR THE GENERAL PUBLIC A SUMMARY IN LAYMEN'S TERMS OF THE SCIENTIFIC LITERATURE PUBLISHED DURING 1984 RELATED TO THE POSSIBLE HEALTH EFFECTS OF EXPOSURE TO PHENOXY HERBICIDES AND DIOXINS. PHENOXY HERBICIDES ARE A GROUP OF STRUCTURALLY RELATED CHEMICALS THAT HAVE BEEN USED AS HERBICIDES TO KILL PLANTS AND TREES. SEVERAL HERBICIDAL PREPARATIONS WERE USED DURING THE MILITARY ACTION IN VIETNAM. ONE OF THESE DIOXINS, 2, 3, 7, 8-TETRACHLORODIBENZO-P-DIOXIN (TCDD), IS KNOWN TO HAVE BEEN PRESENT IN THE 2, 4, 5-T PORTION OF THE ORANGE USED IN VIETNAM.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013802

PUBLICATION DATE: APR 86

TITLE: PESTICIDE TOXICITY IN AQUATIC ENVIRONMENTS. JUNE 1983-MARCH 1986 (CITATIONS FROM THE SELECTED WATER RESOURCES ABSTRACTS DATABASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *AQUATIC ENVIRONMENTS; *ANALYTICAL TECHNIQUES; *PESTICIDES; *RESEARCH; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 105P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-862786/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING DETERMINATION, RESEARCH, CAUSES, EFFECTS, AND CONTROL OF PESTICIDE TOXICITY IN AQUATIC ENVIRONMENTS. BIOACCUMULATION OF TOXIC SUBSTANCES AND ASSAY METHODS TO DETERMINE THEIR EFFECTS ARE CONSIDERED. SYNERGISTIC EFFECTS OF COMBINATIONS OF CHEMICAL AGENTS ARE ALSO CONSIDERED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 100 CITATIONS, 37 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013803

PUBLICATION DATE: APR 86

TITLE: ACID MINE DRAINAGE. OCTOBER 1978-APRIL 1986 (CITATIONS FROM THE NTIS DATABASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *CHEMICAL ANALYSES; *ACID MINE DRAINAGE; *FIELD ANALYSES; *LABORATORY ANALYSES; *RESEARCH; *INDUSTRIAL WASTES; *MINES; *MONITORING; *WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 162P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-863024/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING LABORATORY AND FIELD ANALYSES OF ACID MINE DRAINAGE. TOPICS INCLUDE SITE INVESTIGATIONS AND CHARACTERIZATION, RENOVATION AND MONITORING PROGRAMS, CONTAMINANT TREATMENT RESEARCH, AND CONTROL AND ABATEMENT STUDIES. CHEMICAL ANALYSES OF AFFECTED AREAS, AND TERRESTRIAL AND AQUATIC ECOSYSTEMS RESPONSE EVALUATIONS ARE ALSO DISCUSSED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 161 CITATIONS, 17 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013804

PUBLICATION DATE: APR 86

TITLE: EUTROPHICATION: WATER QUALITY AND POLLUTION CONTROL. 1970-MARCH 1986 (CITATIONS FROM THE ENGINEERING INDEX DATABASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *EUTROPHICATION; *WATER QUALITY; *WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 142P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-862844/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING EUTROPHIC ANALYSIS, ASSESSMENT, EFFECTS, CONTROL, AND SURVEILLANCE OF INLAND AND COASTAL WATERS. EUTROPHICATION

CAUSES, TREATMENT, PREDICTIONS, AND ECONOMICS ARE ALSO DISCUSSED. APPLICATIONS OF ECOLOGICAL DYNAMICS AND MATHEMATICAL MODELS FOR EUTROPHICATION CONTROL OF WATERS ARE CONSIDERED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 186 CITATIONS, 25 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013805

PUBLICATION DATE: APR 86

TITLE: FISHERIES: ENVIRONMENTAL ASPECTS. DECEMBER 1983-MARCH 1986 (CITATIONS FROM THE SELECTED WATER RESOURCES ABSTRACTS DATABASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *ENVIRONMENTAL IMPACT; *FISHERIES; *POLLUTION; *RESEARCH REPORTS

DESCRIPTIVE NOTE: 78P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-862760/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING RESEARCH AND EXPERIMENTATION OF ENVIRONMENTAL EFFECTS ON FISHERIES, FISH HATCHERIES, AND MARINE WILDLIFE SERVICES. PRIMARY EMPHASIS IS ON FISH AND SHELLFISH, WITH SOME CITATIONS PERTAINING TO BENTHIC INVERTEBRATES. EFFECTS OF WEATHER, TEMPERATURE, AQUATIC TOXINS, CONSTRUCTION, EUTROPHICATION, NUTRIENTS, WATER LEVELS, WATER CHEMISTRY, AND SUCH POLLUTANTS AS OIL SPILLS, HEAVY METALS, CHEMICAL WASTES, AND HERBICIDES ARE DISCUSSED. TOLERANCES BY FISH TO THESE ENVIRONMENTAL CHANGES TO THEIR HABITAT, REPRODUCTIVE CYCLES, AND ATTEMPTS TO REHABILITATE THE AQUATIC HABITATS ARE CONSIDERED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 66 CITATIONS, 15 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013806

PUBLICATION DATE: APR 86

TITLE: TRIHALOMETHANES IN POTABLE WATER. 1978-MARCH 1986 (CITATIONS FROM THE SELECTED WATER RESOURCES ABSTRACTS DATABASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *DRINKING WATER; *RESEARCH; *TRIHALOMETHANES; *WATER TREATMENT

DESCRIPTIVE NOTE: 184P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-862778/WEP

ABSTRACT: THIS BIBLIOGRAOHY CONTAINS CITATIONS CONCERNING RESEARCH AND EXPERIMENTATION OF TRIHALOMETHANES IN DRINKING WATER. TRIHALOMETHANE FORMATION, CONCENTRATION DETERMINATION, TOXIC EFFECTS ON LABORATORY ANIMALS, STATISTICS RELATED TO HUMAN DISEASES, AND DISINFECTION PROCEDURES ARE AMONG THE TOPICS DISCUSSED. TRIHALOMETHANE REMOVAL PROCESSES IN WATER TREATMENT PLANTS ARE CONSIDERED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 171 CITATIONS, 24 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013807

PUBLICATION DATE: AUG 84

TITLE: TECHNICAL GUIDANCE MANUAL FOR PERFORMING WASTE LOAD ALLOCATIONS. BOOK 2. STREAMS AND RIVERS. CHAPTER 3. TOXIC SUBSTANCES.

PERSONAL AUTHOR: DELOS, C. G.; AND OTHERS

DESCRIPTOR: *GUIDANCE MANUALS; *POLLUTION; *RIVERS; *STREAMS; *TOXIC SUBSTANCES; *WASTE LOAD ALLOCATIONS; *WATER POLLUTION CONTROL; *WATER QUALITY

DESCRIPTIVE NOTE: 411P. PRICE CODE: PC A18/MF A01. ORDER NO.: PB86-170620/WEP

ABSTRACT: THE DOCUMENT ADDRESSES METHODS FOR PREDICTING CONCENTRATIONS OF INDIVIDUAL CONSTITUENTS RESULTING FROM POLLUTANT LOADS TO THE AQUATIC ENVIRONMENT. WITHIN THE CONTEXT OF THE WASTE LOAD ALLOCATION (WLA) PROCESS, THE METHODS PREDICT THE AMBIENT CONCENTRATIONS EXPECTED TO RESULT FROM EXISTING OR PROJECTED POLLUTANT LOADINGS. BY RELATING THE PREDICTED CONCENTRATIONS TO ECOSYSTEM OR HUMAN HEALTH EFFECTS LEVELS, AN APPROPRIATE LEVEL OF POLLUTION ABATEMENT CAN BE SPECIFIED, TAILORED TO PROTECTION OF THE ENVIRONMENT OF A SPECIFIC SITE. AS THE FOCUS OF THE MATERIAL IS THE PREDICTION OF AMBIENT CONCENTRATIONS, IT WILL NOT ADDRESS ALL FACTS OF THE ALLOWABLE LOAD DETERMINATION. IN ORDER TO USE PREDICTIONS EFFECTIVELY, IT IS ALSO NECESSARY TO ESTABLISH (A) A TARGET FOR ALLOWABLE CONCENTRATIONS, AND (B) A TARGET FREQUENCY FOR NOT EXCEEDING THE ALLOWABLE CONCENTRATIONS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013809

PUBLICATION DATE: MAY 86

TITLE: MUNICIPAL WASTE RESOURCE RECOVERY FACILITIES: ECONOMIC AND INSTITUTIONAL ASPECTS. 1979-APRIL 1986 (CITATIONS FROM THE ENERGY DATA

DESCRIPTOR: *ANNOTATED BIBLIOGRAOHIES; BIBLIOGRAPHIES; *ECONOMICS; *FACILITIES; *ENERGY RECOVERY; *PLANNING; *OPERATIONS (WASTES); *MUNICIPAL WASTES; *RESOURCE RECOVERY; *WASTE RECOVERY

DESCRIPTIVE NOTE: 151P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-865185/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE ECONOMIC AND INSTITUTIONAL ASPECTS PERTAINING TO THE PLANNING, DEVELOPMENT, AND OPERATION OF MUNICIPAL WASTE RESOURCE RECOVERY FACILITIES. TOPICS INCLUDE FEASIBILITY ASSESSMENT, FINANCING STRUCTURES, SYSTEM COMPARISONS, FACILITY DESCRIPTIONS, AND THE STATE, FEDERAL, AND LOCAL INSTITUTIONAL FRAMEWORKS PERTINENT TO SYSTEM PLANNING AND DEVELOPMENT. ENERGY RECOVERY OPERATIONS IN LANDFILLS ARE ALSO DISCUSSED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 174 CITATIONS, 13 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013810

PUBLICATION DATE: APR 86

TITLE: FINE PORE (FINE BUBBLE) AERATION OF MUNICIPAL WASTEWATERS.

PERSONAL AUTHOR: BRENNER, R. C.; AND OTHERS

DESCRIPTOR: *ECONOMICS; *AERATION; *EQUIPMENT; *FINE PORE AERATION; MAINTENANCE; *OPERATIONS (WASTEWATER); *PERFORMANCE EVALUATION; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 18P. PRICE CODE: PC A02/MF A01. ORDER NO.: PB86-184629/WEP

ABSTRACT: THE PAPER SUMMARIZES THE CURRENT INFORMATION ON FINE PORE AERATION SYSTEMS. TYPES OF MEDIA, TYPES OF DIFFUSERS, PIPING AND LAYOUT, CHARACTERISTICS OF DIFFUSERS, CLEAR AND PROCESS WATER PERFORMANCE, OPERATION AND MAINTENANCE, DIFFUSER FOULING AND ECONOMIC ANALYSES ARE REVIEWED. THE PAPER IS BASED ON A REPORT TITLED 'INTERIM GUIDANCE FOR AERATION WITH FINE PORE (FINE BUBBLE) DIFFUSERS' WHICH WAS DEVELOPED JOINTLY BY THE U.S. EPA AND THE AMERICAN SOCIETY OF CIVIL ENGINEERS AND PUBLISHED IN THE FALL OF 1985.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013811

PUBLICATION DATE: APR 86

TITLE: RECENT DEVELOPMENTS IN THERMOPHILIC SLUDGE DIGESTION IN THE UNITED STATES.

PERSONAL AUTHOR: ERALP, A. E.; FARRELL, J. B.

DESCRIPTOR: CALIFORNIA; ILLINOIS; *PERFORMANCE EVALUATION; *OPERATIONS (WASTEWATER); *SLUDGE; *SLUDGE DIGESTION; *THERMOPHILLIC SLUDGE DIGESTION; *WASTE TREATMENT; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 22P. PRICE CODE: PC A02/MF A01. ORDER NO.: PB86-184611/WEP

ABSTRACT: ANAEROBIC DIGESTION IS ONE OF THE MOST WIDELY USED PROCESSES FOR SLUDGE STABILIZATION. THE PAPER REVIEWS THE DEVELOPMENTS OF THERMOPHILIC SLUDGE DIGESTION INCLUDING THE SUCCESSFUL DEMONSTRATIONS AT LOS ANGELES AND CHICAGO. TWO RECENT DEVELOPMENTS, MULTIPLE DIGESTION PROCESS AS ADVANCED BY TORPEY IN NEW YORK AND THE DUAL DIGESTION SYSTEM AS DEMONSTRATED IN HAGERSTOWN, MARYLAND AND IN LACKAWANNA, NEW YORK ARE REVIEWED IN DETAIL. IT IS CONCLUDED THAT THE THERMOPHILIC DIGESTION PROCESS, AEROBIC, ANAEROBIC OR IN COMBINATION WITH MESOPHILIC DIGESTION PROCESS HAS BEEN SHOWN TO BE EQUIVALENT OR BETTER COMPARED WITH CONVENTIONAL SLUDGE STABILIZATION PROCESSES WHEN OPEATED UNDER RESEARCH CONDITIONS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013813

PUBLICATION DATE: MAY 86

TITLE: PESTICIDES: ENVIRONMENTAL TRANSPORT AND TRANSFORMATION. MARCH 1983-MAY 1986 (CITATIONS FROM THE SELECTED WATER RESOURCES ABSTRACT

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *CHEMICAL REACTIONS; *ENVIRONMENT; *ORGANIC COMPOUNDS; *PESTICIDES; *RESEARCH REPORTS; *TRANSFORMATION; *TRANSPORT; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 102P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-865250/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING MOVEMENT AND TRANSFORMATIONS OF PESTICIDES IN THE ATMOSPHERE, IN SOLIDS, IN WATER, IN PLANTS, AND IN ANIMALS. TOXICITY, BIODETERIORATION, AND CHEMICAL DEGRADATION OF PESTICIDES ARE DISCUSSED. MODELLING AND SIMULATIONS DESCRIBING THE TRANSPORT AND TRANSFORMATION OF PESTICIDES IN THE ENVIRONMENT ARE PRESENTED. TECHNIQUES FOR THE DETERMINATION AND IDENTIFICATION OF PESTICIDE CHEMICAL COMPONENTS IN INORGANIC MATERIALS AND ORGANISMS ARE ALSO INCLUDED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 92 CITATIONS, 17 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013814

PUBLICATION DATE: MAY 86

TITLE: HAZARDOUS MATERIALS TRANSPORTATION. 1977-APRIL 1986 (CITATIONS FROM THE NTIS DATABASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *HAZARDOUS MATERIALS; *RESPONSE PROGRAMS; *RISK ASSESSMENT; *REGULATIONS; *TRANSPORTATION

DESCRIPTIVE NOTE: 293P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-865268/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE TRANSPORT OF HAZARDOUS MATERIALS PRIMARILY BY ROAD, RAIL, AND CARGO VESSEL. RISK ASSESSMENT, ACCIDENT ANALYSES, RESPONSE PROGRAMS, AND EXPLOSIVES CONTAINER DESIGN ASPECTS ARE AMONG THE TOPICS DISCUSSED. FEDERAL LEGISLATIVE ASPECTS AND STATE PROGRAMS, AND TEST PROCEDURES FOR A VARIETY OF CONTAINERS ARE ALSO CONSIDERED. SELECTED FOSSIL FUELS, EXPLOSIVES, AND HAZARDOUS CHEMICALS ARE AMONG THE MATERIALS PRESENTED. CITATIONS PERTAINING SPECIFICALLY TO RADIOACTIVE MATERIALS ARE EXCLUDED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 327 CITATIONS, 90 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013815

PUBLICATION DATE: MAR 85

TITLE: ASSESSMENT OF INCINERATION AS A TREATMENT METHOD FOR LIQUID ORGANIC HAZARDOUS WASTES. BACKGROUND REPORT 1. DESCRIPTION OF INCINER

PERSONAL AUTHOR: RETZER, J.; AND PERL, M.

DESCRIPTOR: *ALTERNATIVE TECHNOLOGY; *LAND INCINERATION; *OCEAN INCINERATION; *FACILITIES; *EQUIPMENT; *INCINERATORS; *HAZARDOUS WASTES; *INCINERATION; *WASTE TREATMENT

DESCRIPTIVE NOTE: 54P. PRICE CODE: PC A04/MF A01. ORDER NO.: PB86-162757/WEP

ABSTRACT: THE STUDY PROVIDES A BASELINE DESCRIPTION OF BOTH LAND-BASED AND OCEAN INCINERATION TECHNOLOGIES, IDENTIFIES KEY ISSUES REGARDING PERFORMANCE CAPABILITIES AND OPERATIONAL TECHNIQUES, AND HIGHLIGHTS THE DIFFERENCES BETWEEN THE TECHNOLOGIES WITH RESPECT TO THESE ISSUES. THE STUDY FOCUSES ON THE MOST COMMON TYPES OF INCINERATORS CURRENTLY IN USE . ON LAND, THESE ARE LIQUID INJECTION INCINERATORS AND ROTARY KILNS WITH LIQUID CAPABILITY. FOR OCEAN INCINERATION, THE DESIGNS REVIEWED ARE THE VULCANUS I AND II AND THE TWO VESSELS UNDER CONSTRUCTION BY THE TACOMA BOAT COMPANY. ANOTHER OCEAN DESIGN IN THE CONCEPTUAL STAGE, PROPOSED BY SEABURN INC., IS ALSO TREATED VERY BRIEFLY.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013816

PUBLICATION DATE: MAR 85

TITLE: ASSESSMENT OF INCINERATION AS A TREATMENT METHOD FOR LIQUID ORGANIC HAZARDOUS WASTES. BACKGROUND REPORT 2. ASSESSMENT OF EMERGING

PERSONAL AUTHOR: BASILICO, J.; AND OTHERS

DESCRIPTOR: *ALTERNATIVE TECHNOLOGY; *LAND INCINERATION; *OCEAN INCINERATION; *ECONOMICS; *ENVIRONMENTAL IMPACT; *HAZARDOUS WASTES; *HEALTH; *OPERATIONS (WASTES); *PERFORMANCE EVALUATION; *RISK ASSESSMENT; *WASTE TREATMENT

DESCRIPTIVE NOTE: 37P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-162765/WEP

ABSTRACT: ASSESSMENT OF INCINERATION AS A TREATMENT METHOD FOR LIQUID COMBUSTIBLE AND OTHER LIQUID ORGANIC WASTE STREAMS MUST TAKE INTO ACCOUNT THE AVAILABILITY OF TECHNOLOGIES THAT OFFER SUITABLE TREATMENT AND DESTRUCTION ALTERNATIVES TO CONVENTIONAL INCINERATORS. THE REPORT REVIEWS EXISTING AND EMERGING THERMAL, CHEMICAL, AND BIOLOGICAL HAZARDOUS WASTE DESTRUCTION PROCESSES THAT CAN BE USED TO TREAT OR DESTROY THE SAME TYPES OF LIQUID ORGANIC WASTES THAT ARE PRESENTLY DESTROYED IN INCINERATORS. THE REPORT ADDRESSES THE FOLLOWING QUESTIONS: (1) WHAT TECHNOLOGIES OTHER THAN INCINERATION ARE NOW AVAILABLE, OR MAY BE AVAILABLE IN THE NEAR FUTURE, TO TREAT, DESTROY, OR RECYCLE COMBUSTIBLE LIQUID HAZARDOUS WASTES. (2) WHAT IS THE LIKELY COMMERCIALIZATION RATE OF EACH OF THESE TECHNOLOGIES. (3) HOW DO THESE TECHNOLOGIES COMPARE TO INCINERATION IN TERMS OF COST, CAPABILITY, BENEFITS, AND ENVIRONMENTAL AND HUMAN HEALTH IMPACTS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013817

PUBLICATION DATE: MAR 85

TITLE: ASSESSMENT OF INCINERATION AS A TREATMENT METHOD FOR LIQUID ORGANIC HAZARDOUS WASTES. BACKGROUND REPORT 4...VOLUME 2. APPENDICES.

DESCRIPTOR: *INCINERATION; *LAND APPLICATION; *OCEAN INCINERATION; *ENVIRONMENTAL IMPACT; *HAZARDOUS WASTES; *HEALTH; *OPERATIONS (WASTES); *PUBLIC HEALTH; *RISK ASSESSMENT; *WASTE TREATMENT

DESCRIPTIVE NOTE: 446P. PRICE CODE: PC A19/MF A01. ORDER NO.: PB86-162799/WEP

ABSTRACT: THE VOLUME CONTAINS THE APPENDICES TO VOLUME I OF BACKGROUND REPORT IV: COMPARISON OF RISKS FROM LAND-BASED AND OCEAN-BASED INCINERATION. THE APPENDICES ARE AS FOLLOWS: CALCULATION OF ANNUAL WASTE THROUGHPUT FOR THE VULCANUS II; TRANSFER AND STORAGE RELEASE ANALYSIS; MARINE TRANSPORTATION RELEASE ANALYSIS; ESTIMATION OF RISKS RESULTING FROM INHALATION AND INGESTION OF HAZARDOUS EMISSIONS FROM LAND-

BASED INCINERATORS; ESTIMATION OF PIC EMISSIONS FROM OCEAN- AND LAND-BASED INCINERATORS; ANALYSIS OF SCRUBBER EFFLUENT FROM LAND-BASED INCINERATORS; ESTIMATION OF RISKS RESULTING FROM INHALATION OF HAZARDOUS EMISSIONS FROM OCEAN-BASED INCINERATORS; ESTIMATION OF HUMAN EXPOSURES AND HEALTH RISKS RESULTING FROM MARINE SPILLS; ECOSYSTEM EFFECTS DUE TO MARINE RELEASES.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013818

PUBLICATION DATE: MAR 85

TITLE: ASSESSMENT OF INCINERATION AS A TREATMENT METHOD FOR LIQUID ORGANIC HAZARDOUS WASTES. BACKGROUND REPORT 4...VOLUME 1.

DESCRIPTOR: *INCINERATION; *LAND INCINERATION; *OCEAN INCINERATION; *ENVIRONMENTAL IMPACT; *HAZARDOUS WASTES; *HEALTH; *OPERATIONS (WASTES); *PUBLIC HEALTH; *RISK ASSESSMENT; *WASTE TREATMENT

DESCRIPTIVE NOTE: 181P. PRICE CODE: PC A09/MF A01. ORDER NO.: PB86-162781/WEP

ABSTRACT: THE VOLUME ADDRESSES THE COMPARATIVE RISKS TO HUMAN HEALTH AND THE ENVIRONMENT FROM LAND-BASED AND OCEAN INCINERATION OF LIQUID ORGANIC HAZARDOUS WASTES. CASE STUDIES FOR SELECTED WASTE STREAMS (POLYCHLORINATED BIPHENYLS (PCB'S) AND ETHYLENE DICHLORIDE WASTES) WERE USED TO COMPARE ALL ASPECTS OF THE LAND AND OCEAN INCINERATION SYSTEMS, INCLUDING TRANSPORTATION, HANDLING, STORAGE, AND INCINERATION. HUMAN HEALTH RISKS WERE FOUND TO BE VERY LOW FOR BOTH THE LAND AND OCEAN SYSTEMS. BECAUSE OF THE GREATER DISTANCE FROM HUMAN POPULATIONS, STACK RELEASE FROM THE OCEAN SYSTEMS RESULT IN SOME WHAT LOWER HUMAN HEALTH RISKS THAN LAND-BASED SYSTEMS. USE OF THE OCEAN SYSTEM PRESENTS A VERY SMALL PROBABILITY OF AN ACCIDENT INVOLVING A HAZARDOUS WASTE SPILL FROM THE INCINERATOR SHIP. IN THE EXTREMELY UNLIKELY EVENT OF A LARGE SPILL OF PCB WASTE IN THE HARBOR OR BAY AREA, SIGNIFICANT ENVIRONMENTAL DAMAGE COULD OCCUR ACCORDING TO THE MODEL USED.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013820

PUBLICATION DATE: MAY 86

TITLE: LEAD EXPOSURE: PUBLIC AND OCCUPATIONAL HEALTH HAZARDS. 1972-APRIL 1986 (CITATIONS FROM POLLUTION ABSTRACTS).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; *AIR POLLUTION; BIBLIOGRAPHIES; HEALTH EFFECTS; *LEAD; *OCCUPATIONAL HAZARDS; *RESEARCH; *TOXIC SUBSTANCES

DESCRIPTIVE NOTE: 63P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-865698/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE EFFECTS OF CHRONIC LEAD EXPOSURE. OCCUPATIONAL HAZARDS, AUTOMOBILE EMISSIONS, AND AIR POLLUTION, AND THEIR RELATION TO LEAD TOXICITY ARE CITED. LEAD ABSORPTION IN CHILDREN IS DISCUSSED. THE CLINICAL FEATURES OF LEAD TOXICITY ARE NOTED AND BIOCHEMICAL ASSAYS FOR THE QUANTITATION OF BLOOD AND TISSUE LEAD LEVELS ARE DISCUSSED. D-AMINOLEVULENIC ACID DEHYDRATASE AND ITS RELATION TO BLOOD LEAD LEVELS IS CITED. ANIMAL STUDIES ARE NOTED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 160 CITATIONS, 27 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013821

PUBLICATION DATE: APR 86

TITLE: ODOR POLLUTION. 1977-APRIL 1986 (CITATIONS FROM THE NTIS DATABASE).

DESCRIPTOR: *AIR POLLUTION; *ANNOTATED BIBLIOGRAPHIES; AIR POLLUTION CONTROL; BIBLIOGRAPHIES; *HEALTH; *ODORS; *POLLUTION CONTROL; *WASTES; *SEWAGE SLUDGE; *WASTEWATER TREATMENT; *WATER POLLUTION; *WASTE TREATMENT

DESCRIPTIVE NOTE: 142P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-862000/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING ODOROUS AIR POLLUTANTS, AND ODORS AND TASTES IN WATER. SOURCES INCLUDE AGRICULTURAL AND LIVESTOCK WASTES, SEWAGE SLUDGE, INDUSTRIAL WASTES, VEHICULAR EXHAUSTS, HOSPITALS, AND POLLUTED WATER STREAMS. TREATMENT METHODS, ENVIRONMENTAL PROTECTION ASPECTS, AND HUMAN FACTORS ARE DISCUSSED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 145 CITATIONS, 11 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013822

PUBLICATION DATE: JUN 84

TITLE: EVALUATION OF RCRA (RESOURCE CONSERVATION AND RECOVERY ACT) SUBTITLE D FACILITIES.

DESCRIPTOR: *CLEANUP; *CERCLA; *FACILITIES; *EVALUATION; *LAND DISPOSAL; *RCRA; *RESEARCH REPORTS; *RESOURCE CONSERVATION AND RECOVERY ACT; *SOLID WASTES; *LANDFILLS

DESCRIPTIVE NOTE: 317P. PRICE CODE: PC A14/MF A01. ORDER NO.: PB86-160850/WEP

ABSTRACT: THE PURPOSE OF THE STUDY IS TO EVALUATE THE

FUTURE NEEDS FOR CLEANUP ACTIONS, UNDER CERCLA OR ITS SUCCESSOR, AT RCRA SUBTITLE D FACILITIES. RCRA SUBTITLE D FACILITIES ARE DEFINED AS THOSE SOLID WASTE LAND DISPOSAL FACILITIES ADDRESSED UNDER SUBTITLE D OF RCRA; NAMELY, FACILITIES INTENDED FOR THE DISPOSAL OF SOLID, NON-HAZARDOUS MUNICIPAL, COMMERCIAL, AND INDUSTRIAL WASTES; COMMONLY TERMED SANITARY LANDFILLS, MUNICIPAL LANDFILLS, OR DUMPS. IT ALSO INCLUDES CERTAIN TYPES OF SURFACE IMPOUNDMENTS AND INDUSTRIAL LANDFILLS. THE TERM EXCLUDES THOSE LAND DISPOSAL FACILITIES REGULATED UNDER SUBTITLE C OF RCRA WHICH ARE FACILITIES USED FOR THE DISPOSAL OF HAZARDOUS WASTES AS DEFINED UNDER RCRA.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013823

PUBLICATION DATE: APR 86

TITLE: NONRETURNABLE PACKAGING: THE ENVIRONMENTAL DEBATE. 1982-FEB. 1986 (CITATIONS FROM PACKAGING SCIENCE AND TECHNOLOGY ABSTRACTS DATA

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *ECONOMICS; *ENVIRONMENT; *NONRETURNABLE PACKAGING; *PACKING; *REGULATIONS; *WASTE DISPOSAL

DESCRIPTIVE NOTE: 56P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-861853/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE ENVIRONMENTAL AND ECONOMIC IMPACTS OF NONRETURNABLE VERSUS RETURNABLE FOOD PACKAGING CONTAINERS. TOPICS INCLUDE THE BURDENS ON THE ENVIRONMENT DUE TO NONRETURNABLE BEVERAGE CONTAINERS, ECONOMIC CONSIDERATIONS FOR THE PACKAGING INDUSTRY, AND GOVERNMENT REGULATIONS IMPOSED TO REDUCE WASTE DISPOSAL. VARIOUS PACKAGING CONTAINERS ARE EXAMINED AND INCLUDE GLASS, ALUMINUM, TINPLATE, CARDBOARD, AND PLASTICS. GOVERNMENT LEGISLATION IN THE SOFT DRINK AND BEVERAGE INDUSTRIES, DAIRY PACKAGED PRODUCTS, AND PAPERBOARD PACKAGING ARE DISCUSSED. (CONTAINS 84 CITATIONS FULLY INDEXED AND INCLUDING A TITLE LIST.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013824

PUBLICATION DATE: APR 86

TITLE: LINERS FOR WASTE DISPOSAL AND WASTE STORAGE FACILITIES. 1976-APRIL 1986 (CITATIONS FROM THE ENERGY DATA BASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *DESIGN; *FACILITIES; *LINERS; *PERFORMANCE EVALUATION; *RADIOACTIVE WASTES; *WASTE DISPOSAL; *WASTE STORAGE

DESCRIPTIVE NOTE: 126P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-862422/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE DESIGN, CHARACTERISTICS, AND PERFORMANCE OF VARIOUS TYPES OF LINERS EMPLOYED IN THE DISPOSAL AND STORAGE OF HAZARDOUS AND NON-HAZARDOUS WASTES. SPECIAL ATTENTION IS GIVEN TO URANIUM TAILINGS AND RADIOACTIVE WASTES. DESCRIPTIONS OF SPECIFIC FACILITIES ARE ALSO CONSIDERED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 125 CITATIONS, 41 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013825

PUBLICATION DATE: APR 86

TITLE: PLUMBING AND DISTRIBUTION SYSTEMS FOR DRINKING WATER. 1970-FEB. 1986 (CITATIONS FROM THE ENGINEERING INDEX DATABASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *DRINKING WATER; *HEALTH; *OPERATIONS (WATER); *PLUMBING; *MAINTENANCE; *WATER PIPES; *WATER DISTRIBUTION; *WATER TREATMENT

DESCRIPTIVE NOTE: 82P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-861903/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING PLUMBING AND WATER PIPES IN DRINKING WATER DISTRIBUTION SYSTEMS. INCLUDED ARE REFERENCES TO LOCATING AND CORRECTING LEAKS IN MUNICIPAL PIPING SYSTEMS, CLEANING OF OLD PIPING SYSTEMS, LEACHING FROM VINYL-LINED PIPE, ASBESTOS FIBERS FROM PIPING SYSTEMS, CORROSION CONTROL, SECURITY OF WATER DISTRIBUTION SYSTEMS, BACTERIAL CONTAMINATION, AND GROWTH WITHIN THE SYSTEM, AND HEAVY METAL CONCENTRATIONS, ESPECIALLY LEAD FROM LEAD LININGS OR LEAD SOLDER JOINTS. SOME CITATIONS COVER HEALTH STUDIES, ODOR, AND TASTE, AND A FEW COVER MANAGEMENT INFORMATION SYSTEMS AND MODELING TECHNIQUES FOR WATER DISTRIBUTION SYSTEMS. (CONTAINS 109 CITATIONS FULL INDEXED AND INCLUDING A TITLE LIST.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013826

PUBLICATION DATE: APR 86

TITLE: POLYCHLORINATED BIPHENYLS IN THE ENVIRONMENT. SEPTEMBER 1980-APRIL 1986 (CITATIONS FROM THE NTIS DATABASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; *AIR POLLUTION; BIBLIOGRAPHIES; *ENVIRONMENTAL IMPACT; *RESEARCH; *PCBS; *POLLUTION CONTROL; *POLYCHLORINATED BIPHENYLS; *TOXIC SUBSTANCES; *WATER POLLUTION

DESCRIPTIVE NOTE: 333P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-862216/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING SOURCES, DISTRIBUTION, AND TRANSPORT OF POLYCHLORINATED BIPHENYLS (PCBS) IN THE ENVIRONMENT. TOPICS INCLUDE SITE SURVEYS TO ASSESS THE EXTENT OF POLLUTION PROBLEMS IN SPECIFIC AREAS, TOXICOLOGY, DETECTION AND REMOVAL METHODS, AND ENVIRONMENTAL IMPACT STUDIES. WATER AND AIR POLLUTION SURVEYS ARE TREATED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 349 CITATIONS, 106 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013827

PUBLICATION DATE: APR 86

TITLE: PLUMBING AND DISTRIBUTION SYSTEMS FOR DRINKING WATER. 1977-MARCH 1986 (CITATIONS FROM THE SELECTED WATER RESOURCES ABSTRACTS DATA

DESCRIPTOR: *ANNOTATED BIBLIOGRAOHIES; BIBLIOGRAPHIES; *DRINKING WATER; *HEALTH; *PIPES; *PLUMBING: *MAINTENANCE; *WATER PIPES; *OPERATIONS (WATER); *WATER DISTRIBUTION; *WATER TREATMENT

DESCRIPTIVE NOTE: 79P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-861846/WEP
ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING PLUMBING AND WATER PIPES IN DRINKING WATER DISTRIBUTION SYSTEMS. INCLUDED ARE REFERENCES TO LEAKS IN MUNICIPAL PIPING SYSTEMS, CLEANING OF OLD PIPING SYSTEMS, LEACHING FROM VINYL-LINED PIPE, ASBESTOS FIBERS FROM PIPING SYSTEMS, CORROSION CONTROL, AND HEAVY METAL CONCENTRATIONS, ESPECIALLY LEAD FROM LEAD LININGS OR LEAD SOLDER JOINTS. THE CITATIONS ALSO INCLUDE HEALTH STUDIES, MICROBIAL GROWTH, ODOR, TASTE, AND WATER CONSERVATION DEVICES. (CONTAINS 74 CITATIONS FULLY INDEXED AND INCLUDING A TITLE LIST.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013828

PUBLICATION DATE: NOV 84

TITLE: EVALUATION OF AVAILABLE CLEANUP TECHNOLOGIES FOR UNCONTROLLED WASTE SITES.

DESCRIPTOR: *CLEANUP; *HAZARDOUS WASTES; *PERFORMANCE EVALUATION; *TECHNOLOGY; *WASTE DISPOSAL; *WASTE SITES; *WASTE TREATMENT

DESCRIPTIVE NOTE: 173P. PRICE CODE: PC A08/MF A01. ORDER NO.: PB86-158144/WEP

ABSTRACT: THE REPORT PRESENTS AN EVALUATION OF CLEANUP TECHNOLOGIES FOR REMEDIAL ACTION AT UNCONTROLLED WASTE SITES. FOR PRESENTATION PURPOSES CLEANUP TECHNOLOGIES ARE DIVIDED INTO TWO CLASSES: CONTAINMENT AND TREATMENT. CONTAINMENT TECHNOLOGIES FUNCTION PRIMARILY TO ISOLATE CONTAMINANTS ALREADY IN PLACE IN ORDER TO PREVENT HARMFUL EXPOSURE TO THE ENVIRONMENT AND HUMAN POPULATIONS. TREATMENT TECHNIQUES FUNCTION BY DESTROYING THE INHERENT HAZARDOUS PROPERTIES OF THE CONTAMINANTS, OR BY SEPARATING THEM FROM ENVIRONMENTAL MEDIA THAT ARE THE PRESENT OR POTENTIAL SOURCES OF HUMAN AND ENVIRONMENTAL EXPOSURE. SEPARATIONS, ADDITIONAL TREATMENT OR DISPOSAL MAY BE REQUIRED FOR THE HAZARDOUS RESIDUES THAT ARE REMOVED. CLEANUP ACTIVITIES ARE PRESENTLY TAKING PLACE AT MANY SITES.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013829

PUBLICATION DATE: NOV 84

TITLE: POTENTIAL FOR FUTURE SHORTAGES OF TECHNICAL PERSONNEL FOR NATIONAL CLEAN-UP OF UNCONTROLLED HAZARDOUS WASTE SITES.

PERSONAL AUTHOR: TURNER, A. K.

DESCRIPTOR: *CLEANUP; *HAZARDOUS WASTES; *PLANNING; *PERSONNEL; *STAFF NEEDS; *TECHNICAL PERSONNEL; *EMPLOYMENT; *MANAGEMENT; *MANPOWER NEEDS; *OCCUPATIONAL TRENDS
DESCRIPTIVE NOTE: 324P. PRICE CODE: PC A14/MF A01. ORDER NO.: PB86-159472/WEP

ABSTRACT: THE REPORT EXAMINES ISSUES IN ORDER TO IDENTIFY, AS PRECISELY AS POSSIBLE, THE POTENTIAL FOR FUTURE SHORTAGES OF TECHNICAL PERSONNEL TO STAFF THE NATIONAL EFFORT IN THE CLEANUP OF UNCONTROLLED HAZARDOUS WASTE SITES. THE CURRENT DEBATE ON THE APPROPRIATE FUTURE DIRECTIONS AND LEVELS OF EFFORT, STANDARDS, AND FUNDING FOR THE NATIONAL HAZARDOUS WASTE CLEANUP EFFORT SHOULD RECOGNIZE AND REFLECT THE INTERCONNECTION BETWEEN PROGRAM EFFECTIVENESS AND AVAILABLE TECHNICAL PERSONNEL. THE REPORT DEFINES THE TECHNICAL PERSONNEL NEEDS FOR A NATIONAL HAZARDOUS WASTE CLEANUP EFFORT. IT IS BASED ON A STUDY OF AVAILABLE EMPLOYMENT AND EDUCATIONAL STATISTICS, COUPLED WITH A SURVEY OF PRACTIONERS FAMILIAR WITH CLEANUP ACTIVITIES, SO AS TO IDENTIFY THE CRITICAL TECHNICAL SPECIALITIES, LEVELS OF TRAINING AND EXPERIENCE REQUIRED, AND OPINIONS AS TO FUTURE SHORTAGES OR SPECIAL MANPOWER NEEDS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013830

PUBLICATION DATE: MAR 86

TITLE: RECYCLING RUBBER WASTES. 1973-FEBRUARY 1986

(CITATIONS FROM THE RUBBER AND PLASTICS RESEARCH ASSOCIATION DATABASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *ENERGY CONSERVATION; *ENERGY RECOVERY; *RESEARCH; *RESOURCE RECOVERY; *RECYCLING; *RUBBER; *WASTE DISPOSAL

DESCRIPTIVE NOTE: 113P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-860970/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING RESEARCH AND INNOVATIONS IN THE AREA OF RECYCLING RUBBER WASTES. RECYCLING METHODS AND EQUIPMENT, APPLICATIONS OF RECYCLED RUBBER, AND ENERGY RECOVERY SYSTEMS AND PERFORMANCE ARE AMONG THE TOPICS DISCUSSED. RECYCLING METHODS COMPARED AND CONTRASTED WITH VARIOUS RUBBER WASTE DISPOSAL TECHNIQUES ARE ALSO INCLUDED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 185 CITATIONS, 47 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013831

PUBLICATION DATE: SEP 85

TITLE: ECONOMIC IMPACT ANALYSIS OF EFFLUENT LIMITATIONS GUIDELINES AND STANDARDS FOR THE METAL MOLDING AND CASTING (FOUNDRY) INDUSTRY.

DESCRIPTOR: *ECONOMIC IMPACT; ECONOMICS; *EFFLUENT; FOUNDRIES; *GUIDELINES; *INDUSTRIAL WASTES; METALS; *METAL INDUSTRY; *REGULATIONS; *USEPA; *WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 194P. PRICE CODE: PC A09/MF A01. ORDER NO.: PB86-154135/WEP

ABSTRACT: THE U.S. ENVIRONMENTAL PROTECTION AGENCY ISSUED EFFLUENT GUIDELINES AND LIMITATIONS FOR THE METAL MOLDING AND CASTING INDUSTRY IN SEPTEMBER 1985. THE REPORT ESTIMATES THE ECONOMIC IMPACT OF POLLUTION CONTROL COSTS INCURRED BY PLANTS IN THE INDUSTRY IN TERMS OF POTENTIAL PLANT CLOSURES, EMPLOYMENT EFFECTS, PROFITABILITY EFFECTS, AND OTHER MEASURES. A MODEL PLANT APPROACH IS USED TO ASSESS THESE IMPACTS ON THE 800 DOMESTIC PLANTS AFFECTED BY THE REGULATION. THE MODEL PLANT ANALYSIS IS BASED ON FIVE INDUSTRY SUBCATEGORIES (FERROUS, ALUMINUM, COPPER, ZINC, AND MAGNESIUM) AND REFLECTS DIFFERENT PLANT SIZES AND CASTING PROCESSES.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013832

PUBLICATION DATE: 85

TITLE: SELECTED WATER RESOURCES ABSTRACTS. ANNUAL CUMULATED INDEXES TO VOLUME 18, 1985. PART I. AUTHOR, ORGANIZATION, PART 2. SUBJECT.

DESCRIPTOR: *ABSTRACTS; *INDEXES; *WATER RESOURCES

DESCRIPTIVE NOTE: 1006P. PRICE: PC$50.00. ORDER NO.: PB85-910213/WEP

ABSTRACT: THE REPORT, A MONTHLY JOURNAL, INCLUDES ABSTRACTS OF CURRENT AND EARLIER PERTINENT MONOGRAPHS, JOURNAL ARTICLES, REPORTS, AND OTHER PUBLICATION FORMATS. THESE DOCUMENTS COVER WATER RESOURCES AS TREATED IN THE LIFE, PHYSICAL, AND SOCIAL SCIENCES AND THE RELATED ENGINEERING AND LEGAL ASPECTS OF THE CHARACTERISTICS, SUPPLY CONDITION, CONSERVATION, CONTROL, USE, OR MANAGEMENT OF WATER RESOURCES.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013833

PUBLICATION DATE: FEB 86

TITLE: OVERVIEW OF STATISTICS ON ACUTE AND CHRONIC WATER CONTAMINATION PROBLEMS.

PERSONAL AUTHOR: CRAUN, G. F.

DESCRIPTOR: *WATER CONTAMINATION; *BIBLIOGRAPHIES; *DISEASES; *DATA; *CANCER; *CARDIOVASCULAR DISEASE; *STATISTICAL DATA; *WATER QUALITY

DESCRIPTIVE NOTE: 38P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-158615/WEP

ABSTRACT: DISCUSSED IN THE PAPER ARE WATERBORNE OUTBREAKS OF ACUTE DISEASE AND THE ASSOCIATION OF WATER CONTAMINANTS WITH CARDIOVASCULAR DISEASE AND CANCER. A SELECTED LIST OF REFERENCES IS PROVIDED FOR THOSE WISHING A MORE IN-DEPTH REPORT.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013834

PUBLICATION DATE: MAR 85

TITLE: ILLINOIS WATER QUALITY: SUMMARY OF COMPARATIVE SURVEY.

DESCRIPTOR: COMPARATIVE ANALYSIS; *ILLINOIS; *RIVERS; *LAKES; *STREAMS; *SURVEYS; *TRENDS; *WATER QUALITY; *WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 25P. PRICE CODE: PC A02/MF A01. ORDER NO.: PB86-161932/WEP

ABSTRACT: A COMPREHENSIVE SURVEY BY ILLINOIS ENVIRONMENTAL PROTECTION AGENCY DIVISION OF WATER POLLUTION CONTROL ON THE

QUALITY OF THE STATE'S WATERS FOCUSED ON THE RELATIVE CONDITION OF RIVERS, STREAMS AND LAKES IN 1982 VERSUS 1972. THE REVIEW HIGHLIGHTED THE CHANGES WHICH OCCURRED WITHIN THAT DECADE AND ARE SUMMARIZED IN THE REPORT. THE SURVEY INDICATES WATER POLLUTION CONTROL MANAGEMENT PROGRAMS ACHIEVED GENERAL STATEWIDE IMPROVEMENT IN THE QUALITY OF OUR WATERS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013835

PUBLICATION DATE: JAN 81

TITLE: CONTAMINATION OF GROUND WATER BY TOXIC ORGANIC CHEMICALS.

DESCRIPTOR: *CHEMICALS; *CONTAMINATION; *DRINKING WATER; *ORGANIC CHEMICALS; *TOXIC SUBSTANCES; *WATER QUALITY; *WATER SUPPLY

DESCRIPTIVE NOTE: 107P. PRICE CODE: PC A06/MF A01. ORDER NO.: BP86-165727/WEP

ABSTRACT: GROUND WATER IS A VAST NATURAL RESOURCE OF ECONOMIC IMPORTANCE TO AGRICULTURE, INDUSTRY, AND EVERYDAY LIFE. APPROXIMATELY ONE-HALF OF ALL U.S. RESIDENTS RELY ON GROUND WATER -- OFTEN NOT TREATED OR DISINFECTED -- AS THEIR PRIMARY SOURCE OF DRINKING WATER. IN SECTIONS OF THE MIDWEST, THE USE OF AGRICULTURAL FERTILIZERS HAS SOMETIMES RAISED NITRATE CONCENTRATIONS IN GROUND WATERS ABOVE FEDERAL HEALTH STANDARDS, AND IN THE SNOW BELT, HUNDREDS OF WELLS HAVE BEEN CLOSED BECAUSE OF HIGH CONCENTRATIONS OF SALT PERCOLATING INTO GROUND WATER FROM DE-ICING AGENTS USED ON HIGHWAYS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013836

PUBLICATION DATE: SEP 85

TITLE: PROTECTION OF PUBLIC WATER SUPPLIES FROM GROUND-WATER CONTAMINATION. SEMINAR PUBLICATION.

PERSONAL AUTHOR: GRAHAM, L. L.; AND OTHERS

DESCRIPTOR: *CONTAMINATION; *GROUNDWATER; *HYDROLOGY; *TECHNOLOGY; *WATER SUPPLY; *WATER POLLUTION CONTROL; *WATER TREATMENT; *WATER QUALITY

DESCRIPTIVE NOTE: 185P. PRICE CODE: PC A09/MF A01. ORDER NO.: PB86-168358/WEP

ABSTRACT: THE PUBLICATION CONTAINS MATERIAL FROM TECHNOLOGY TRANSFER SEMINARS PRESENTED FOR THE WATER SUPPLY COMMUNITY. THE DOCUMENT PROVIDES UTILITY MANAGERS AND OPERATORS, REGULATORS AND TECHNICAL SPECIALISTS WITH GUIDANCE FOR PREVENTING CONTAMINATION AND ALTERNATIVES FOR TREATING PUBLIC GROUND-WATER SUPPLIES THAT ARE CONTAMINATED. AN UNDERSTANDING OF THE PROCESSES THAT AFFECT THE MOVEMENT AND DEGRADATION OF CONTAMINANTS IN THE SUBSURFACE IS ESSENTIAL FOR EFFECTIVE GROUND-WATER QUALITY MANAGEMENT.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013837

PUBLICATION DATE: MAR 86

TITLE: STRIP MINING: IMPACTS ON WATER RESOURCES. 1977-MARCH 1986 (CITATIONS FROM THE SELECTED WATER RESOURCES ABSTRACTS DATABASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *INDUSTRIAL WASTES; *MINING; *STRIP MINING; *WATER RESOURCES; *WATER DISPOSAL

DESCRIPTIVE NOTE: 214P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-861564/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING STRIP MINE WASTES AND THE EFFECT ON WATER RESOURCES. THE STUDIES ARE BOTH GENERAL, INVESTIGATING THE HYDRAULICS OF WASTE AND RUNOFF, AND SPECIFIC, REPORTING ON RESULTS OF SURVEYS AT SOME STRIP MINES. A FEW CITATIONS REFERENCE LAND RECLAMATION TECHNIQUES AND EFFORTS. (THIS UPDATED BIBLIOGRAPHY CONTAINS 196 CITATIONS, 81 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013838

PUBLICATION DATE: MAR 86

TITLE: BIOCHEMICAL OXYGEN DEMAND. OCTOBER 1981-FEBRUARY 1986 (CITATIONS FROM THE NTIS DATABASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *BIOCHEMICAL OXYGEN DEMAND; *INDUSTRIAL WASTES; *LIMNOLOGY; *SEWAGE; *SURFACE RUNOFF; *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 157P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-860699/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING BIOCHEMICAL OXYGEN DEMAND (BOD) IN SEWAGE, INDUSTRIAL WASTE TREATMENT, RUNOFF, AND LIMNOLOGY. THE EFFECTS OF SALINITY ON BOD, AEROBIC, AND ANAEROBIC WASTE TREATMENT PROCESSES ARE DESCRIBED. THE USE OF ALGAE AND WATER HYACINTHS IN WASTEWATER TREATMENT IS EXPLORED, ALONG WITH THE WATER QUALITY AND BIOLOGICAL OXYGEN DEMAND OF SPECIFIC BODIES OF WATER. (THIS UPDATED BIBLIOGRAPHY CONTAINS 161 CITATIONS, 116 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013839

PUBLICATION DATE: MAR 86

TITLE: FUNGICIDES. 1970-FEBRUARY 1983 (CITATIONS FROM THE U.S. PATENT DATABASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *FUNGICIDES; *RESEARCH

DESCRIPTIVE NOTE: 140P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-861549/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE CHEMICAL COMPOSITION AND APPLICATION OF FUNGICIDES. DISPENSING APPARATUS, METHODS OF APPLICATION, AND USES ARE DESCRIBED. FUNGICIDES USED IN COLD ROLLING PROCESSES, IN FIBERS, FOR WOOD PRESERVATION, IN WALLPAPER PASTE, AND IN PAINT ARE DISCUSSED IN ADDITION TO MORE TRADITIONAL USES AS A DISEASE PREVENTATIVE. SPECIFIC FUNGICIDES FOR FRUITS AND VEGETABLES, SUGAR CANE, PEANUTS, AND SEEDS ARE BRIEFLY DESCRIBED. (CONTAINS 183 CITATIONS FULLY INDEXED AND INCLUDING A TITLE LIST.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013840

PUBLICATION DATE: JAN 86

TITLE: TRAINING MANUAL FOR URANIUM MILL WORKERS ON HEALTH PROTECTION FROM URANIUM.

PERSONAL AUTHOR: MCELROY, N.; BRODSKY, A.

DESCRIPTOR: *HEALTH EFFECTS; *INDUSTRIAL SAFETY; *MANUALS; *OCCUPATIONAL HEALTH; *SAFETY; *TRAINING; *RADIATION SAFETY; *URANIUM

DESCRIPTIVE NOTE: 41P. PRICE CODE: PC A03/MF A01. ORDER NO.: NUREG-1159/WEP

ABSTRACT: THE REPORT PROVIDES INFORMATION FOR URANIUM MILL WORKERS TO HELP THEM UNDERSTAND THE RADIATION SAFETY ASPECTS OF WORKING WITH URANIUM AS IT IS PROCESSED FROM ORE TO YELLOWCAKE AT THE MILLS. THE REPORT IS DESIGNED TO SUPPLEMENT THE RADIATION SAFETY TRAINING PROVIDED BY URANIUM MILLS TO THEIR WORKERS. IT IS WRITTEN IN AN EASILY READABLE STYLE SO THAT NEW EMPLOYEES WITH NO PREVIOUS EXPERIENCE WORKING WITH URANIUM OR RADIATION CAN OBTAIN A BASIC UNDERSTANDING OF THE NATURE OF RADIATION AND THE PARTICULAR SAFETY REQUIREMENTS OF WORKING WITH URANIUM. THE REPORT SHOULD BE HELPFUL TO MILL OPERATORS BY PROVIDING TRAINING MATERIAL TO SUPPORT THEIR RADIATION SAFETY TRAINING PROGRAMS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013841

PUBLICATION DATE: 85

TITLE: ENVIRONMENT, PUBLIC HEALTH, AND HUMAN ECOLOGY: CONSIDERATIONS FOR ECONOMIC DEVELOPMENT.

PERSONAL AUTHOR: LEE, J. A.

DESCRIPTOR: *ECONOMICS; *ENVIRONMENT; *HUMAN ECOLOGY; *POLLUTION CONTROL; *PUBLIC HEALTH

DESCRIPTIVE NOTE: 298P. PRICE CODE: MF E12. ORDER NO.: PB86-158300/WEP

ABSTRACT: CONTENTS: ENVIRONMENTAL POLICIES OF THE WORLD BANK; ECONOMIC DEVELOPMENT AND POLLUTION CONTROL; HEALTH CONSIDERATIONS FOR ECONOMIC DEVELOPMENT; TROPICAL AGRICULTURAL DEVELOPMENT; INDUSTRIAL DEVELOPMENT; ENERGY PROJECTS; URBAN AND REGIONAL DEVELOPMENT; APPENDIXES; A. CHECKLIST OF ENVIRONMENTAL CONSIDERATIONS FOR PROJECT ANALYSIS; B. INFORMATION AND DATA RESOURCES; BIBLIOGRAPHY.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013842

PUBLICATION DATE: MAR 86

TITLE: ASBESTOS SUBSTITUTES. 1978-FEBRUARY 1986 (CITATIONS FROM THE RUBBER AND PLASTICS RESEARCH ASSOCIATION DATABASE).

DESCRIPTOR: *ASBESTOS; *ASBESTOS SUBSTITUTES; *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *HAZARDOUS MATERIALS; *HEALTH; *PERFORMANCE EVALUATION

DESCRIPTIVE NOTE: 71P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-860541/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING MATERIALS USED TO REPLACE ASBESTOS. ARAMID FIBERS, MINERAL FILLERS FOR PLASTICS, PHENOLIC RESINS, POLYESTER, WOVEN GLASS CLOTH, TEFLON COATED FIBERS, LIQUID SILICONE RUBBER, ACRYLIC FIBERS, LATEX RUBBER, AND FLAME RETARDANT PAPER ARE CONSIDERED. THESE MATERIALS ARE EVALUATED IN GASKETS, SEALS, CEMENT, AS BRAKE AND CLUTCH LININGS, PACKING MATERIALS, AND OTHER PLACES WHERE ASBESTOS IS USED. (CONTAINS 103 CITATIONS FULLY INDEXED AND INCLUDING A TITLE LIST.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013843
PUBLICATION DATE: JAN 86

TITLE: HAZARDOUS WASTE MANAGEMENT PRACTICES IN THE UNITED STATES.

PERSONAL AUTHOR: DIAL, C. J.

DESCRIPTOR: *ENVIRONMENT; *HAZARDOUS WASTES; *LEGISLATION; *MANAGEMENT; *WASTE DISPOSAL; *UNITED STATES; *WASTE STORAGE; *RESEARCH

DESCRIPTIVE NOTE: 33P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-156478/WEP

ABSTRACT: THE PAPER WAS PREPARED FOR PRESENTATION AT A JOINT US/SPAIN SEMINAR ON HAZARDOUS WASTE MANAGEMENT TO BE HELD IN MADRID, SPAIN, ON MAY 19-22, 1986. HAZARDOUS WASTE QUANTITIES PRODUCED IN THE UNITED STATES AND HOW THEY ARE HANDLED/DISPOSED OF ARE PRESENTED. MAJOR ENVIRONMENTAL LEGISLATION IS DISCUSSED. ORGANIZATION AND DESCRIPTION OF RESEARCH ACTIVITIES OF THE HAZARDOUS WASTE ENGINEERING RESEARCH LABORATORY ARE PROVIDED.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013844

PUBLICATION DATE: MAR 86
TITLE: PYROLYSIS PROCESSES: APPLICATIONS IN AGRICULTURAL WASTE ENERGY RECOVERY. 1976-MARCH 1986 (CITATIONS FROM THE ENERGY DATA BASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *AGRICULTURAL WASTES; *ENERGY; *ENERGY RECOVERY; *PYROLYSIS; *PYROLYSIS PROCESSES; *FUELS; *EQUIPMENT; *ECONOMICS; *ENVIRONMENTAL IMPACT

DESCRIPTIVE NOTE: 129P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-860798/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE UTILIZATION OF PYROLYSIS PROCESSES TO DERIVE ENERGY AND FUELS FROM AGRICULTURAL WASTE PRODUCTS. TOPICS INCLUDE METHODS, EQUIPMENT DESIGN CONSIDERATIONS AND DESCRIPTION, AND ECONOMIC AND ENVIRONMENTAL EVALUATIONS. SILICON PRODUCTION FROM RICE HULLS FOR USE IN SOLAR CELLS, AND POTENTIAL FOR ENERGY RECOVERY IN DEVELOPING COUNTRIES ARE ALSO TREATED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 142 CITATIONS, 19 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013845
PUBLICATION DATE: DEC 85

TITLE: HAZARDOUS WASTE: STATUS OF PRIVATE PARTY EFFORTS TO CLEAN UP HAZARDOUS WASTE SITES.

DESCRIPTOR: *CLEANUP; *COMPLIANCE; *FACILITIES; *HAZARDOUS WASTES; *HAZARDOUS WASTE SITES

DESCRIPTIVE NOTE: 12P. PRICE CODE: PC A02/MF A01. ORDER NO.: PB86-163912/WEP

ABSTRACT: THIS CONTAINS A REVIEW OF THE ENVIRONMENTAL PROTECTION AGENCY'S (EPA'S) COMPLIANCE MONITORING OVER RESPONSIBLE PARTY SETTLEMENTS FOR CLEANUP AT PRIORITY HAZARDOUS WASTE SITES. THE FACT SHEET SUMMARIZES SELECTED STATISTICS WHICH WERE DISCUSSED DURING THE BRIEFING. EPA GENERALLY USES THE AUTHORITY OF THE COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT OF 1980 (SUPERFUND) TO COMPEL PARTIES RESPONSIBLE FOR THE HAZARDOUS CONDITIONS AT THE SITES TO EITHER PERFORM CLEANUPS THEMSELVES OR REIMBURSE THE GOVERNMENT FOR CLEANING UP THE SITES. THE FACT SHEET INCLUDES INFORMATION ON THE NUMBER, TYPE, AND STATUS OF RESPONSIBLE PARTY CLEANUP ACTIVITIES AT SITES ON THE NATIONAL PRIORITIES LIST (DESIGNATED AS THE NATION'S WORST SITES). INFORMATION FROM EPA HEADQUARTERS DATA MANAGEMENT SYSTEMS AND REPORTS, SUPPLEMENTED WHEN NECESSARY, WERE OBTAINED BY DISCUSSIONS WITH EPA OFFICIALS RESPONSIBLE FOR MAINTAINING AND OPERATING THE SYSTEMS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013846

PUBLICATION DATE: MAR 86

TITLE: BIOMASS CONVERSION FROM AGRICULTURAL SOURCES. MARCH 1984-MARCH 1986 (CITATIONS FROM THE ENERGY DATA BASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *AGRICULTURE; *BIOMASS CONVERSION; *FUEL; *FEED; *RESOURCE RECOVERY; WASTE DISPOSAL; WASTE USE

DESCRIPTIVE NOTE: 291P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-859493/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING PROCESSES AND EQUIPMENT FOR THE BIOMASS CONVERSION OF AGRICULTURAL CROPS AND WASTE INTO FUEL, FERTILIZER, AND FEED. MANY OF THE CITATIONS RELATE TO SMALL-SCALE PRODUCTION, AS WOULD BE USED ON FARMS. THE CITATIONS ON FUEL INCLUDE ETHANOL AND METHANE. A FEW CITATIONS REFERENCE AGRICULTURAL EQUIPMENT, SUCH AS GRAIN DRIERS AND TRACTORS, THAT USE THE ALCOHOL FUEL PRODUCED ON THE FARM. (THIS UPDATED BIBLIOGRAPHY CONTAINS 328 CITATIONS, 141 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013847
PUBLICATION DATE: SEP 85

TITLE: ANALYSES OF GROUNDWATER FOR TRACE LEVELS OF PESTICIDES.

PERSONAL AUTHOR: LAVY, T. L.; AND OTHERS

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *ARKANSAS; *GROUNDWATER; *PESTICIDES; *RESEARCH REPORTS; *WATER QUALITY; *WATER RESOURCES

DESCRIPTIVE NOTE: 24P. PRICE CODE: PC A02/MF A01. ORDER NO.: PB86-158219/WEP

ABSTRACT: AGRICULTURAL PRODUCTION IS A MAJOR SOURCE OF REVENUE IN ARKANSAS. IN ORDER TO INCREASE PRODUCTIVITY, IT HAS BEEN NECESSARY TO RELY INCREASINGLY ON THE USE OF PESTICIDES AND IRRIGATION WATER. IN THE LAST 15 YEARS SEVERAL STATES HAVE REPORTED FINDING PESTICIDES IN GROUNDWATER AS A RESULT OF NORMAL AGRICULTURAL PRACTICES. MULTIRESIDUE ANALYTICAL TECHNIQUES WERE DEVELOPED FOR THE ANALYSIS OF ACIFLUORFEN, ALACHLOR, ATRAZINE, CYANAZINE, DIURON, FLUORMETURON, LINURON, METOLACHLOR AND PROPANIL FROM GROUNDWATER. ANALYTICAL SENSITIVITIES RANGED FROM 1 TO 10 PPB. THE MAJOR OBJECTIVE OF THE STUDY WAS TO COLLECT GROUNDWATER SAMPLES FROM IRRIGATION WELLS IN AREAS OF SOUTHEASTERN ARKANSAS WHERE PESTICIDES ARE INTENSIVELY USED AND TO ANALYZE THESE SAMPLES FOR TRACE LEVELS OF PESTICIDES THAT ARE COMMONLY USED IN THESE AREAS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013848

PUBLICATION DATE: DEC 85

TITLE: TEST METHODS FOR 'ESCHERICHIA COLI' AND 'ENTEROCOCCI' IN WATER BY THE MEMBRANE FILTER PROCEDURE.

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *BACTERIA; *ENTEROCOCCI; *ESCHERICHIA COLI; *LABORATORY PROCEDURES; *MEMBRANE FILTERS; *TEST PROCEDURES

DESCRIPTIVE NOTE: 33P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-158052/WEP

ABSTRACT: TEST METHODS FOR ESCHERICHIA COLI IN WATER BY THE MEMBRANE FILTER PROCEDURE IS A DETAILED DESCRIPTION, INCLUDING PRECISION AND BIAS TESTING, OF PROCEDURES TO MEASURE THE BACTERIOLOGICAL DENSITIES OF E. COLI AND ENTEROCOCCI IN AMBIENT WATERS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013850
PUBLICATION DATE: DEC 85

TITLE: SHORT-TERM METHODS FOR ESTIMATING THE CHRONIC TOXICITY OF EFFLUENTS AND RECOVERY WATERS TO FRESHWATER ORGANISMS.

PERSONAL AUTHOR: HORNING, W. B.; WEBER, C. I.

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *BIOLOGICAL IMPACT; *EFFLUENT; *ENVIRONMENTAL IMPACT; *MANUALS; *CHRONIC TOXICITY; *GUIDELINES; *TOXIC SUBSTANCES; *BIOLOGICAL INDICATORS; *INDICATOR ORGANISMS

DESCRIPTIVE NOTE: 175P. PRICE CODE: PC A08/MF A01. ORDER NO.: PB86-158474/WEP

ABSTRACT: THE MANUAL DESCRIBES SHORT-TERM (FOUR- TO EIGHT-DAY) METHODS FOR ESTIMATING THE CHRONIC TOXICITY OF EFFLUENTS AND RECEIVING WATERS TO A FRESHWATER FISH, AN INVERTEBRATE, AND AN ALGA. ALSO INCLUDED ARE GUIDELINES ON LABORATORY SAFETY, QUALITY ASSURANCE, FACILITIES AND EQUIPMENT, DILUTION WATER, EFFLUENT SAMPLING AND HOLDING, DATA ANALYSIS, AND ORGANISM CULTURING AND HANDLING. LISTINGS OF COMPUTER PROGRAMS FOR DUNNETT'S PROCEDURE AND PROBIT ANALYSIS ARE PROVIDED IN THE APPENDIX.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013851

PUBLICATION DATE: AUG 85

TITLE: PROJECTED OCEAN DUMPING RATES FOR MUNICIPAL AND INDUSTRIAL WASTES IN THE YEAR 2000.

PERSONAL AUTHOR: CURA, J.; AND OTHERS

DESCRIPTOR: *ECONOMICS; *INDUSTRIAL WASTES; *MUNICIPAL WASTES; *PROJECTIONS; *OCEAN DUMPING; *WASTE DISPOSAL; *WATER POLLUTION CONTROL; *WATER QUALITY; *TRENDS; *REGULATIONS; *POLICIES

DESCRIPTIVE NOTE: 110P. PRICE CODE: PC A06/MF A01. ORDER NO.: PB86-158847/WEP

ABSTRACT: THE AMOUNT OF COAL ASH, FLUE GAS DESULFURIZATION (FGD) SLUDGE, SEWAGE SLUDGE, INDUSTRIAL WASTE, AND SEAFOOD PROCESSING WASTES CURRENTLY OCEAN DUMPED WERE DETERMINED, AND OCEAN DUMPING OF THESE WASTES WAS PROJECTED FOR THE YEAR 2000. THE PROJECTED RATES WERE MADE USING THREE DIFFERENT SCENARIOS: SCENARIO I ASSUMED CONTINUED OCEAN DUMPING ONLY BY CURRENT PERMITTEES, SCENARIO II ASSUMED SOME RELAXATION OF OCEAN DUMPING REGULATION, AND SCENARIO III, TO PROVIDE A MAXIMUM ESTIMATE, ASSUMED THAT FUTURE OCEAN DUMPING WOULD BE BASED SOLELY ON ECONOMIC CONSIDERATIONS. COAL ASH AND FGD SLUDGE ARE PROJECTED TO BE THE MOST VOLUMINOUS WASTE DUMPED UNDER SCENARIOS II AND III, AND THE EAST COAST OF THE U.S. WOULD PRODUCE THE GREATEST AMOUNTS TO BE DUMPED.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013852

PUBLICATION DATE: NOV 85

TITLE: TRADE-OFF BETWEEN LOCAL AND FEDERAL FUNDING FOR WASTEWATER TREATMENT FACILITIES.

PERSONAL AUTHOR: JONES, W.; AND OTHERS

DESCRIPTOR: *FACILITIES; *FUNDING; *LOCAL FUNDING; *FEDERAL FUNDING; *WASTEWATER TREATMENT; *USER CHARGES; *PROPERTY TAXES

DESCRIPTIVE NOTE: 107P. PRICE CODE: PC A06/MF A01. ORDER NO.: PB86-158805/WEP

ABSTRACT: THE STUDY EXAMINES THE QUESTION OF WHETHER MUNICIPALITIES BENEFIT BY EMPLOYING A USER CHARGE IN CONJUNCTION WITH A FEDERAL GRANT TO FINANCE A WASTEWATER TREATMENT FACILITY. AN ANALYSIS IS GIVEN OUTLINING THE EFFECTS ON A LOCAL COMMUNITY OF FINANCING WASTEWATER TREATMENT FACILITIES WITH USER CHARGES AS COMPARED TO PROPERTY TAXES.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013853

PUBLICATION DATE: 86

TITLE: FDA (FOOD AND DRUG ADMINISTRATION) PESTICIDE ANALYTICAL MANUAL. VOLUME 2 UPDATES.

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *AGRICULTURE; *CHEMICALS; *LABORATORY MANUALS; *PESTICIDES; *PESTICIDE RESIDUES

DESCRIPTIVE NOTE: 1P. PRICE CODE; STANDING ORDER. ORDER NO.: PB86-911900/WEP

ABSTRACT: THE FDA PESTICIDE ANALYTICAL MANUAL IS A LABORATORY MANUAL DESCRIBING METHODS FOR THE ANALYSIS OF PESTICIDE RESIDUES IN FOODS AND FEEDS. DETAILS ARE PRESENTED FOR THE METHODS USED BY FDA TO ENFORCE PESTICIDE TOLERANCES SET BY EPA. PERIODIC REVISIONS ARE ISSUED TO UPDATE INFORMATION, ADD NEW METHODS, OR CHANGE EXISTING SECTIONS TO REFLECT CURRENT PROCEDURES. VOLUME II PRESENTS METHODS FOR THE DETERMINATION OF SINGLE PESTICIDE RESIDUES. MOST METHODS ARE THOSE PRESENTED BY THE PETITIONER AS PART OF THE ORIGINAL REQUEST FOR EPA REGISTRATION AND TOLERANCE. APPROPRIATE CROSS-REFERENCE TO VOLUME I ARE INCLUDED FOR THOSE CHEMICALS RECOVERED BY MULTIPLE RESIDUE PROCEDURES.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013854

PUBLICATION DATE: 86

TITLE: FDA (FOOD AND DRUG ADMINISTRATION) PESTICIDE ANALYTICAL MANUAL. VOLUME 1 UPDATES.

DESCRIPTOR: *ANALYTICAL TECHNIQUES; *AGRICULTURE; *CHEMICALS; *LABORATORY MANUALS; *PESTICIDES; *PESTICIDE RESIDUES

DESCRIPTIVE NOTE: 1P. PRICE CODE: STANDING ORDER. ORDER NO.: PB86-911800

ABSTRACT: THE FDA PESTICIDE ANALYTICAL MANUAL IS A LABORATORY MANUAL DESCRIBING METHODS FOR THE ANALYSIS OF PESTICIDE RESIDUES IN FOODS AND FEEDS. DETAILS ARE PRESENTED FOR THE METHODS USED BY FDA TO ENFORCE THE PESTICIDE TOLERANCES SET BY EPA. PERIODIC REVISIONS ARE ISSUED TO UPDATE INFORMATION, ADD NEW METHODS, OR CHANGE EXISTING SECTIONS TO REFLECT CURRENT PROCEDURES. VOLUME I GIVES COMPLETE DETAILS OF FDA MULTI-PESTICIDE RESIDUE METHODS. SAMPLE PREPARATION, GAS CHROMATOGRAPHIC OPERATING CONDITIONS, CONFIRMATORY TECHNIQUES, AND TABULATIONS OF THE ANALYTICAL BEHAVIOR OF VARIOUS CHEMICALS THROUGH EACH PROCEDURE ARE INCLUDED.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013855
PUBLICATION DATE: 86

TITLE: LAND TREATMENT: A HAZARDOUS WASTE MANAGEMENT ALTERNATIVE. PROCEEDINGS OF A WATER RESOURCES SYMPOSIUM (13TH) HELD AT AUSTIN/TX/85.

PERSONAL AUTHOR: LOEHR, R. C.; MALINA, J. F.

DESCRIPTOR: *CONFERENCE PROCEEDINGS; *HAZARDOUS WASTES; *HAZARDOUS MATERIALS; *LAND TREATMENT; *MANAGEMENT; *WASTE DISPOSAL; *WASTE TREATMENT

DESCRIPTIVE NOTE: 374P. PRICE CODE: PC A16/MF A01. ORDER NO.: PB86-194149/WEP

ABSTRACT: LAND TREATMENT REPRESENTS ONE OF THE ALTERNATIVES FOR MANAGEMENT OF MUNICIPAL AND INDUSTRIAL WASTES. HAZARDOUS WASTE LAND TREATMENT SYSTEMS ARE INTENDED TO DEGRADE, IMMOBILIZE AND/OR TRANSFORM APPLIED WASTES INTO INNOCUOUS CONSTITUENTS AND TO AVOID BIOACCUMULATION OF HAZARDOUS CONSTITUENTS IN THE FOOD CHAIN. A CONFERENCE HELD IN AUSTIN, TEXAS, IN APRIL 1985 REPRESENTED A COMPREHENSIVE ATTEMPT TO CRITICALLY EXAMINE THE CURRENT STATE-OF-KNOWLEDGE WITH REGARD TO LAND TREATMENT OF HAZARDOUS WASTES. (COPYRIGHT (C) 1986 BY THE CENTER FOR RESEARCH IN WATER RESOURCES, THE UNIVERSITY OF TEXAS AT AUSTIN).

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013856
PUBLICATION DATE: MAR 83

TITLE: LINING OF WASTE IMPOUNDMENT AND DISPOSAL FACILITIES.

PERSONAL AUTHOR: LENDEETH, B.

DESCRIPTOR: *PERFORMANCE EVALUATION; *HAZARDOUS WASTES; *TECHNOLOGY; *FACILITIES; *LINERS; *WASTE STORAGE; *WASTE DISPOSAL

DESCRIPTIVE NOTE: 480P. PRICE CODE: PC A21/MF A01. ORDER NO.: PB86-192796/WEP

ABSTRACT: LINING WASTE STORAGE AND DISPOSAL UNITS IS A PRIMARY METHOD OF PREVENTING THE RELEASE OF LIQUID AND GASEOUS WASTE COMPONENTS INTO ADJACENT AREAS. THE MANUAL PROVIDES CURRENT TECHNOLOGICAL INFORMATION ABOUT A VARIETY OF LINER MATERIALS THAT MAY BE USED TO CONTAIN HAZARDOUS WASTES. GUIDANCE IS GIVEN TO ASSIST IN THE SELECTION, INSTALLATION, AND MAINTENANCE OF APPROPRIATE LINERS FOR SPECIFIC TYPES OF WASTES IN PARTICULAR STORAGE OR DISPOSAL UNITS. SEVERAL TEST METHODS FOR DETERMINING WASTE/LINER COMPATIBILITY ARE INCLUDED, AND A CASE STUDY ANALYSIS METHODOLOGY FOR LINED UNITS IS PRESENTED.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013857

PUBLICATION DATE: SEP 85

TITLE: REFERENCE GUIDE FOR INDUSTRIAL WASTEWATER TREATMENT.

DESCRIPTOR: *ECONOMICS; *PROJECT DESIGN; *PROJECT REVIEW; *REGULATIONS; *INDUSTRIAL WASTES; *FACILITIES; *REFERENCE GUIDES; *OPERATIONS (WASTEWATER); *WASTEWATER TREATMENT; *WATER POLLUTION CONTROL

DESCRIPTIVE NOTE: 377P. PRICE CODE: PC A17/MF A01. ORDER NO.: AD-A166 500/9/WEP

ABSTRACT: THIS REPORT PROVIDES A GENERAL REFERENCE GUIDE FOR IDENTIFYING, DESIGNING, AND REVIEWING INDUSTRIAL WATER POLLUTION ABATEMENT PROJECTS. THE GUIDANCE WILL BE USEFUL TO ENVIRONMENTAL ENGINEERS IN THE DEPARTMENT OF DEFENSE WHO ARE RESPONSIBLE FOR INDUSTRIAL WASTEWATER POLLUTION ABATEMENT PROJECTS AND TO PERSONNEL RESPONSIBLE FOR OPERATION AND MAINTENANCE OF DOMESTIC AND/OR INDUSTRIAL WASTEWATER TREATMENT PLANTS. CONTENTS: INDUSTRIAL WASTEWATER REGULATIONS; HANDLING AND DISPOSAL OF HAZARDOUS WASTES; NATURE AND ORIGIN OF INDUSTRIAL WASTEWATER; THE INDUSTRIAL WASTE SURVEY; INDUSTRIAL WASTEWATER CONTROL TECHNOLOGIES; SOLUTION DEVELOPMENT METHODOLOGY; ECONOMICS OF INDUSTRIAL WASTEWATER TREATMENT.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013859
PUBLICATION DATE: APR 86

TITLE: SANITARY LANDFILLS. 1978-APRIL 1986 (CITATIONS FROM THE NTIS DATABASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *DESIGN; *HAZARDOUS WASTES; *OPERATIONS; *LAND DISPOSAL; *MANAGEMENT; *SANITARY LANDFILLS

DESCRIPTIVE NOTE: 305P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-862984/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE DESIGN, OPERATION, AND MANAGEMENT OF SANITARY LANDFILLS. TOPICS INCLUDE LINER MATERIALS EVALUATIONS, LEACHATE ANALYSES, SITE STUDIES, ENVIRONMENTAL MONITORING, AND SOLID WASTE MANAGEMENT STRATEGIES. COAL CONVERSION AND ELECTRIC UTILITY WASTE PRODUCTS, MUNICIPAL REFUSE, AND DREDGED MATERIALS DISPOSAL ARE CONSIDERED. CONSIDERABLE ATTENTION IS GIVEN TO METHANE RECOVERY OPERATIONS. CITATIONS PERTAINING SPECIFICALLY TO LAND DISPOSAL OF HAZARDOUS MATERIALS ARE EXCLUDED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 318 CITATIONS, 46 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013860

PUBLICATION DATE: JAN 86

TITLE: RESEARCH WORKSHOP ON THE TREATMENT/DISPOSAL OF PESTICIDE WASTEWATER. PROCEEDINGS HELD AT CINCINNATI, OHIO ON JULY 30-31, 1985.

PERSONAL AUTHOR: BRIDGES, J. S.; DEMPSEY, C. R.

DESCRIPTOR: *EMERGENCY PROCEDURES; *PESTICIDES; *TECHNOLOGY; *WASTE DISPOSAL; *WASTEWATER TREATMENT; *WORKSHOPS

DESCRIPTIVE NOTE: 64P. PRICE CODE: PC A04/MF A01. ORDER NO.: PB86-167004/WEP

ABSTRACT: A RESEARCH WORKSHOP ON THE TREATMENT/DISPOSAL OF PESTICIDE WASTEWATER GENERATED BY THE AGRICULTURAL APPLICATION OF PESTICIDES WAS HELD AT THE U.S. ENVIRONMENTAL PROTECTION AGENCY'S ANDREW W. BREIDENBACH ENVIRONMENTAL RESEARCH CENTER IN CINCINNATI, OHIO, ON JULY 30-31, 1985. THE PURPOSE OF THE WORKSHOP WAS TO ADDRESS ISSUES REGARDING THE EFFECTIVENESS OF CURRENT STATE-OF-THE-ART CAPABILITIES, IDENTIFICATION OF EMERGING TECHNIQUES OR TECHNOLOGIES THAT MAY BE APPLICABLE ALONG WITH TECHNOLOGIES BEING APPLIED IN OTHER AREAS, AND THE NEED FOR RESEARCH EFFORTS CAPABLE OF PROVIDING RESULTS IN A 3 TO 5 YEAR TIME FRAME AS THEY PERTAIN TO THE TREATMENT/DISPOSAL OF DILUTE PESTICIDE WASTEWATER. THE PUBLICATION IS A COMPILATION OF THE SIXTEEN SPEAKER'S ABSTRACTS, BOTH WORKGROUP RESULTS AND A CONCLUSION WITH RECOMMENDATIONS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013861

PUBLICATION DATE: AUG 85

TITLE: INFORMATIONAL/EDUCATIONAL APPROACHES TO PUBLIC ATTITUDES ON POTABLE REUSE OF WASTEWATER: RESEARCH STUDY REPORT; PROGRAM GUIDE FOR

PERSONAL AUTHOR: LOHMAN, L. C.; MILLIKEN, J. G.

DESCRIPTOR: *ADMINISTRATION; *ATTITUDES; *COLORADO; *DRINKING WATER; *PROGRAM GUIDES; *PUBLIC ATTITUDES; *RESEARCH REPORTS; *WASTEWATER; *WASTEWATER REUSE; *RESOURCE RECOVERY

DESCRIPTIVE NOTE: 144P. PRICE CODE: PC A07/MF A01. ORDER NO.: PB86-167624/WEP

ABSTRACT: THE REPORTED RESEARCH MEASURED THE DEGREE OF PUBLIC AWARENESS ABOUT POTABLE WASTEWATER REUSE AND ANALYZED THE EFFECTS OF INFORMATION/EDUCATION MEASURES ON PUBLIC UNDERSTANDIND AND ACCEPTANCE OF POTABLE USE OF WASTEWATER THAT HAS BEEN RECLAIMED TO DRINKING WATER STANDARDS. THE STUDY WAS CONDUCTED OVER A 3-YEAR PERIOD WITH CUSTOMERS OF THE DENVER WATER DEPARTMENT. DENVER IS LIKELY TO BE THE FIRST U.S. METROPOLITAN AREA TO DIRECTLY RECYCLE WASTEWATER AFTER ADVANCED TREATMENT FOR WATER SUPPLY AUGMENTATION, PROBABLY IN THE NEXT 20 YEARS. TWO RANDOM SAMPLE SURVEYS WERE CONDUCTED OF USERS OF WATER SUPPLIED BY THE DENVER WATER DEPARTMENT (IN 1982 AND 1985). THE SURVEYS QUERIED RESPONDENTS ON GENERAL ATTITUDES ABOUT WATER, SOURCES OF INFORMATION, ACCEPTANCE OF VARIOUS TYPES OF WATER REUSE, AND SOCIO-DEMOGRAPHICS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013862

PUBLICATION DATE: 85

TITLE: METHOD FOR IDENTIFYING WATER RESOURCES RESEARCH NEEDS AND SETTING PRIORITIES AMONG THEM.

PERSONAL AUTHOR: BRANDES, W. F.

DESCRIPTOR: *PRIORITIES; *RESEARCH NEEDS; *WATER RESOURCES

DESCRIPTIVE NOTE: 433P. PRICE CODE: PC A19/MF A01. ORDER NO.: PB86-167640/WEP

ABSTRACT: THE OBJECTIVE WAS TO TEST A SERIES OF PROCEDURES TO IDENTIFY AND PRIORITIZE THE WATER RESEARCH NEEDS OF A STATE. A METHOD WAS SOUGHT THAT WOULD: (1) BE UNDERSTANDABLE TO DECISION-MAKERS, (2) COMBINE SUBJECTIVE JUDGEMENT WITH THE DISCIPLINE OF A STRUCTURED APPROACH, (3) BE SUFFICIENTLY DISCRIMINATORY TO LIMIT THE NUMBER OF SELECTIONS AND (4) ACHIEVE CONSENSUS AMONG INTEREST GROUPS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013863

PUBLICATION DATE: MAR 85

TITLE: ASSESSMENT OF INCINERATION AS A TREATMENT METHOD FOR LIQUID ORGANIC HAZARDOUS WASTES. SUMMARY AND CONCLUSIONS.

DESCRIPTOR: *HAZARDOUS WASTES; *INCINERATION; LIQUID WASTES; ORGANIC CHEMICALS; *LAND INCINERATION; *OCEAN INCINERATION; *RESEARCH REPORTS; *WASTE DISPOSAL; *WASTE TREATMENT

DESCRIPTIVE NOTE: 100P. PRICE CODE: PC A05/MF A01. ORDER NO.: PB86-162740/WEP

ABSTRACT: THE STUDY ASSESSES THE USE OF INCINERATION FOR TREATMENT OF LIQUID ORGANIC HAZARDOUS WASTES, INCLUDING ITS ADVANTAGES AND DISADVANTAGES, AND THE ISSUES ASSOCIATED WITH ITS USE. THE CENTRAL FOCUS IS ON COMPARING LAND-BASED AND OCEAN-BASED INCINERATION TO ASSIST EPA IN MAKING DECISIONS RELATIVE TO OCEAN INCINERATION. GENERAL CONCLUSIONS TO BE DRAWN FROM THE STUDY ARE: (1) INCINERATION IS A VALUABLE AND ENVIRONMENTALLY SOUND TREATMENT OPTION FOR DESTROYING LIQUID ORGANIC HAZARDOUS WASTES; (2) ALTHOUGH THE TYPES OF RISKS AND RISK LEVELS DIFFER SLIGHTLY, THERE IS NO CLEAR PREFERENCE FOR OCEAN OR LAND INCINERATION IN TERMS OF RISKS TO HUMAN HEALTH AND THE ENVIRONMENT; (3) CURRENT COMMERCIAL AND ON-SITE LAND-BASED INCINERATION CAPACITY IS ADEQUATE TO HANDLE EXISTING DEMAND (EXCEPT FOR PCBS); HOWEVER, FUTURE DEMAND WILL SIGNIFICANTLY EXCEED CAPACITY AS LAND DISPOSAL OPTIONS ARE RESTRICTED; (4) DESPITE SUBSTANTIAL EXISTING INFORMATION ON INCINERATOR PERFORMANCE, CONTINUING RESEARCH IS NEEDED TO IMPROVE CURRENT KNOWLEDGE OF COMBUSTION PROCESSES AND EFFECTS; AND (5) TO BETTER ADDRESS PUBLIC CONCERNS ON INCINERATION, EPA NEEDS TO IMPROVE PUBLIC COMMUNICATIONS EFFORTS AND PROVIDE MORE VISIBLE LEADERSHIP IN THE AREA OF HAZARDOUS WASTE MANAGEMENT.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013864

PUBLICATION DATE: MAR 85

TITLE: ASSESSMENT OF INCINERATION AS A TREATMENT METHOD FOR LIQUID ORGANIC HAZARDOUS WASTES. BACKGROUND REPORT 5. PUBLIC CONCERNS REGARD

PERSONAL AUTHOR: MCCANN, E.; AND OTHERS

DESCRIPTOR: *ATTITUDES; *HAZARDOUS WASTES; *INCINERATION; LIQUID WASTES; ORGANIC CHEMICALS; *PUBLIC ATTITUDES; *LAND INCINERATION; *OCEAN INCINERATION; *RESEARCH REPORTS; SURVEYS; *WASTE DISPOSAL; *WASTE TREATMENT

DESCRIPTIVE NOTE: 47P. PRICE CODE: PC A03/MF A01. ORDER NO.: PB86-162807/WEP

ABSTRACT: THE VOLUME ADDRESSES PUBLIC ATTITUDES AND CONCERNS WHICH AFFECT THE SITING AND PERMITTING OF HAZARDOUS WASTE INCINERATORS. THE ANALYSIS IS BASED ON INTERVIEWS AND PUBLIC HEARINGS TRANSCRIPTS CONCERNING TWELVE INCINERATOR PERMITTING ACTIONS IN WHICH THERE HAS BEEN SUBSTANTIAL PUBLIC OPPOSITION. IN GENERAL, OCEAN INCINERATION HAS CAUSED A GREATER DEGREE OF PUBLIC OPPOSITION THAN MOST LAND-BASED INCINERATORS. THIS IS PRIMARILY BECAUSE THE PERCEIVED IMPACT OF LAND-BASED INCINERATION IS VERY LOCALIZED, WHEREAS OCEAN INCINERATION IS THOUGHT BY SOME CITIZENS TO POTENTIALLY AFFECT AN ENTIRE REGION: THE PORT COMMUNITY, ALL THE COMMUNITIES ALONG THE COASTLINE NEAR THE BURN SITE, AND THE MARINE ENVIRONMENT. WHILE THE SOURCE OF OPPOSITION TO BOTH OCEAN AND LAND INCINERATORS HAS BEEN PRIMARILY FROM LOCAL COMMUNITIES, OCEAN INCINERATION IS UNIQUE IN ALSO BEING ACTIVELY OPPOSED BY SOME MULTI-STATE COALITIONS OF CIVIC, BUSINESS, AND ENVIRONMENTAL GROUPS, AND BY SOME NATIONAL ENVIRONMENTAL GROUPS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013865

PUBLICATION DATE: MAR 85

TITLE: ASSESSMENT OF INCINERATION AS A TREATMENT METHOD FOR LIQUID ORGANIC HAZARDOUS WASTES. BACKGROUND REPORT 3. ASSESSMENT OF THE COMM

PERSONAL AUTHOR: CAHILL, L.

DESCRIPTOR: *ECONOMICS; *HAZARDOUS WASTES; *INCINERATION; LIQUID WASTES; ORGANIC CHEMICALS; *LAND INCINERATION; *OCEAN INCINERATION; *MARKET ANALYSIS; *WASTE DISPOSAL; *WASTE TREATMENT; TECHNOLOGY; *TRENDS

DESCRIPTIVE NOTE: 143P. PRICE CODE: PC A07/MF A01. ORDER NO.: PB86-162773/WEP

ABSTRACT: THE VOLUME PROVIDES A TWO-PART ASSESSMENT OF THE MARKER FOR INCINERATION OF LIQUID ORGANIC HAZARDOUS WASTES. THE FIRST PART IS A PROFILE OF THE CURRENT INCINERATION MARKET AND THE SECOND PART IS AN ECONOMIC ANALYSIS WHICH PROJECTS THE DEMAND FOR AND SUPPLY OF INCINERATION CAPACITY UNDER ALTERNATIVE REGULATORY SCENARIOS PROVIDED BY THE AGENCY. THE MARKET PROFILE FOCUSES ON MARKET SIZE, MARKET SHARES, VOLUMES INCINERATED, AVAILABLE TECHNOLOGIES, AND EPA'S REGULATORY PROGRAM FOR INCINERATION. THE ECONOMIC ANALYSIS IS AN EVALUATION OF INCINERATION CAPACITY UTILIZATION COMPARING ESTIMATED ON-SITE AND COMMERCIAL CAPACITY (I.E., SUPPLY) WITH ESTIMATED VOLUMES TO BE INCINERATED (I.E., DEMAND). THIS COMPARISON IS DONE FOR BASELINE MARKET CONDITIONS, AND A SERIES OF CASES PROJECTING DEMAND AND SUPPLY IN RESPONSE TO SEVERAL RCRA REGULATORY AMENDMENT SCENARIOS. THE STUDY CONCLUDES THAT FUTURE DEMAND FOR INCINERATION CAPACITY WILL SIGNIFICANTLY EXCEED CURRENT CAPACITY AS LAND DISPOSAL ALTERNATIVES ARE RESTRICTED UNDER NEW RCRA REGULATIONS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013868

PUBLICATION DATE: JUN 86

TITLE: TOXIC SUBSTANCES: EFFECTS ON FISH. 1970-MAY 1986 (CITATIONS FROM POLLUTION ABSTRACTS).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *FISH; *BIOLOGICAL INDICATORS; METALS; *RESEARCH; SALTS; *TOXIC SUBSTANCES; *WATER POLLUTION; *WATER QUALITY

DESCRIPTIVE NOTE: 74P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-868924/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE BIOCHEMICAL AND PHYSIOLOGICAL EFFECTS OF TOXIC SUBSTANCES ON FISH POPULATIONS. PARTICULAR EMPHASIS IS PLACED ON USING FISH AS AN INDICATOR OF POLLUTION IN AQUATIC ECOSYSTEMS. TOXICITY EFFECTS OF MERCURY, ZINC, CALCIUM CHLORIDE, SODIUM CHLORIDE, LEAD, CADMIUM, COPPER, AND ALUMINUM IN FRESHWATER AND SEAWATER FISH ARE INCLUDED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 170 CITATIONS, 112 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013870

PUBLICATION DATE: NOV 84

TITLE: COMPARISON OF RISKS AND COSTS OF HAZARDOUS WASTE ALTERNATIVES: METHODS DEVELOPMENT AND PILOT STUDIES.

PERSONAL AUTHOR: LAWLESS, E. W.; AND OTHERS

DESCRIPTOR: *ALTERNATIVE TECHNOLOGIES; *COSTS; *HAZARDOUS WASTES; *HEALTH EFFECTS; *RISK ASSESSMENT; *MANAGEMENT; *WASTE DISPOSAL; *WASTE STORAGE; *WASTE TREATMENT; *PILOT STUDIES

DESCRIPTIVE NOTE: 1083P. PRICE CODE: PC A99/MF E06. ORDER NO.: PB86-158912/WEP

ABSTRACT: THE REPORT WAS DESIGNED TO ILLUSTRATE THE EXTENT TO WHICH THE ASSESSMENT OF RISKS WAS FEASIBLE FOR PROGRAMS UNDER THE RESOURCE CONSERVATION AND RECOVERY ACT (RCRA), USING STATE-OF-THE-ART METHODOLOGIES AND AVAILABLE DATA, WITH A FOCUS ON LAND DISPOSAL. THE PROJECT EXAMINED WHETHER CHANGES IN HEALTH RISKS COULD BE ESTIMATED AS A HAZARDOUS WASTE STREAM IS SHIFTED FROM ONE DISPOSAL TECHNOLOGY TO ANOTHER, TO DETERMINE WHETHER THE METHODOLOGY COULD BE APPLIED IN REALISTIC SITUATIONS. THE REPORT INCLUDES THREE CASE STUDIES, WITH FOUR OR FIVE MANAGEMENT OPTIONS APPROPRIATE FOR EACH. THE CASE STUDY WASTES ARE MERCURY-CONTAMINATED BRINE MUDS FROM CHLORINE PRODUCTION, DISTILLATION RESIDUES FROM PRODUCTION OF CARBON

TETRACHLORIDE, AND DIOXIN CONTAMINATED SOIL. POTENTIAL SOURCES, PROBABILITIES AND MAGNITUDES OF RELEASES ARE IDENTIFIED, ALONG WITH THEIR MOVEMENT THROUGH ALL ENVIRONMENTAL MEDIA TO ESTIMATE POTENTIAL EXPOSURES AT ANY POINT. DOSE-RESPONSE FUNCTIONS FOR EACH HEALTH EFFECT ARE THEN COMBINED WITH ESTIMATES OF POPULATION DISTRIBUTION TO YIELD RISK ESTIMATES FOR THE MOST EXPOSED INDIVIDUAL AND THE TOTAL NUMBER OF CASES OVER 200 YEARS. UNCERTAINTY ANALYSIS IS APPLIED TO THE HEALTH RISK ESTIMATES, USING A PROPAGATION OF ERRORS APPROACH. COSTS OF INSTALLING AND OPERATING EACH ALTERNATIVE IS ESTIMATED.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE. 5285 PORT ROYAL ROAD. SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013871

PUBLICATION DATE: JAN 86

TITLE: DOCUMENTATION AND ANALYSIS FOR PREVENTION AND CONTROL OF HAZARDOUS MATERIAL SPILLS.

PERSONAL AUTHOR: HEARD, D. B.; AND OTHERS

DESCRIPTOR: *ACCIDENT PREVENTION; *DATABASES; *HAZARDOUS MATERIALS; *SPILLS

DESCRIPTIVE NOTE: 565P. PRICE CODE: PC A24/MF A01. ORDER NO.: PB86-156775/WEP

ABSTRACT: PREVENTION AND CONTROL OF A PROBLEM AS COMPLEX AS THAT OF HAZARDOUS MATERIAL SPILLS AND THEIR ENSUING EFFECTS ON THE POPULATION AND ENVIRONMENT CAN ONLY BE APPROACHED BASED ON A COMPREHENSIVE RELIABLE SYSTEM FOR SPILL INCIDENT COLLECTION AND ANALYSIS. THE GROUNDWORK FOR SUCH A SYSTEM WAS ESTABLISHED IN A PREVIOUS PROGRAM, EPA-600/2-78-066 DATED APRIL 1978 'HAZARDOUS MATERIAL SPILLS: A DOCUMENTATION AND ANALYSIS OF HISTORICAL DATA.' THE PRESENT PROGRAM DEVELOPED A DETAILED SPILL DATA BASE AND A COMPLETELY COMPUTERIZED SYSTEM FOR PRODUCING REPORTS UPON REQUEST, WITH THE FURTHER CAPABILITY OF GENERATING STATISTICS ON ANY OR ALL SPILL INCIDENTS WHICH ARE ENCODED IN COMPUTER STORAGE. TWO LOGICALLY LINKED DATA SETS WERE ESTABLISHED. THE FIRST SET IS COMPRISED OF INCIDENT-RELATED DATA, WHILE THE SECOND IS COMPRISED OF MATERIAL RELATED DATA. THE PREVIOUSLY DEVELOPED COMPUTER CODES WERE MODIFIED DUE TO THE LARGE NUMBER OF INCIDENTS ACQUIRED, AND TO ACCOMODATE THIS DUAL DATA BASE SYSTEM. NEW CODING TECHNIQUES ALSO MINIMIZE THE POTENTIAL OF MULTIPLE ENTRIES AND GREATLY INCREASE THE AMOUNT OF INFORMATION THAT CAN BE STORED. THESE CHANGES HAVE MADE THE DATA SYSTEM MORE NEARLY UNIVERSAL, PROVIDING A MORE ACCESSIBLE MEANS OF RETRIEVING INFORMATION THAN WAS POSSIBLE USING PREVIOUS RETRIEVAL METHODS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE. 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013872

PUBLICATION DATE: DEC 85

TITLE: HANDBOOK FOR WATERBORNE TRANSPORTATION OF HAZARDOUS MATERIALS AND WASTES.

PERSONAL AUTHOR: BURR, C. A.; O'DELL R.

DESCRIPTOR: *HANDBOOKS; *HAZARDOUS MATERIALS; *REGULATIONS; *TRANSPORTATION; *WASTES

DESCRIPTIVE NOTE: 62P. PRICE CODE: PC A04/MF A01. ORDER NO.: PB86-159522/WEP

ABSTRACT: PRODUCTION, STORAGE, TRANSPORT, AND DISPOSAL OF HAZARDOUS SUBSTANCES ARE CONCERNS WHICH ARE RAPIDLY RISING TO THE FORE-FRONT OF NATIONAL ATTENTION. MANUFACTURERS AND TRANSPORTERS HAVE THE RESPONSIBILITY TO UNDERSTAND AND COMPLY WITH HAZARDOUS MATERIALS SO AS TO AVOID ACCIDENTS. INCREASED PUBLIC INTEREST AND PRESSURES TO FIND ADEQUATE STORAGE PLACES FOR HAZARDOUS WASTES IN A 'SHRINKING WORLD' HAVE CAUSED ADDITIONAL DEMANDS FOR STATE REGULATION AS WELL. LOCAL GOVERNMENTS BEAR THE BURDEN OF PRIMARY RESPONSIBILITY FOR IMMEDIATE REACTION TO EMERGENCY SPILLS OF HAZARDOUS SUBSTANCES. THE HANDBOOK IS CONCERNED WITH THE FEDERAL LAWS AS WELL AS THE STATE LAWS OF MISSISSIPPI AND ALABAMA CONCERNING HAZARDOUS MATERIALS AND WASTES TRANSPORT, PRIMARILY THAT WHICH TRAVELS BY WATER. IT IS INTENDED TO SERVE AS A REFERENCE GUIDE TO AID LOCAL AND ADMINISTRATIVE PERSONNEL AND ELECTED OFFICIALS TO GAIN INSIGHT INTO SUCH A COMPLEX FIELD OF LAW. DUE TO THE VOLUME OF ENACTMENTS AND REGULATIONS THE HANDBOOK STRIVES ONLY TO SET FORTH THE BLACK LETTER LAW AND PROVIDE INFORMATION TO ENABLE THE USER TO MAKE CONTACTS NECESSARY TO SEEK OUT MORE INFORMATION REGARDING INTERPRETATION OF THE LAW AND THE SPECIFIC FUNCTIONS OF THOSE WHO DEAL WITH IT.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE. 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013874

PUBLICATION DATE: MAY 85

TITLE: STATE/FEDERAL WORKSHOP ON JOINT DEVELOPMENT OF ENVIRONMENTAL AND TOXICOLOGICAL INFORMATION RESOURCES HELD AT BETHESDA, MD, 85/SUMMA

PERSONAL AUTHOR: KISSMAN, H. M.

DESCRIPTOR: *CONFERENCE PROCEEDINGS; *DATABASES; *ENVIRONMENT; *ENVIRONMENTAL INFORMATION; *INFORMATION DISSEMENATION; *INFORMATION RESOURCES; *INFORMATION NEEDS; *TOXIC SUBSTANCES; *TOXICOLOGICAL INFORMATION; *WORKSHOPS

DESCRIPTIVE NOTE: 110P. PRICE CODE: PC A06/MF A01. ORDER NO.: PB86-192853/WEP

ABSTRACT: THE PURPOSE OF THE WORKSHOP WAS (1) TO CONSIDER THE POSSIBILITIES FOR COLLABORATION AMONG FEDERAL AND STATE ORGANIZATIONS THAT EITHER BUILD, OR SPONSOR THE BUILDING OF, DATA RESOURCES IN THE AREAS OF TOXICOLOGY AND THE ENVIRONMENT; AND (2) TO FACILITATE THE USE OF EXISTING DATA RESOURCES IN THESE SUBJECT AREAS BY STATE ORGANIZATIONS. MANY STATES, FAR FROM HAVING THE LUXURY OF BUILDING DATA RESOURCES, FACE GRAVE DIFFICULTIES IN GAINING ACCESS TO THE TOXICOLOGY INFORMATION THAT IS ALREADY AVAILABLE. IF BUILDING A COOPERATIVE DATABASE IS THE LONG-TERM GOAL OF THE COMMUNITY, THEN SOLVING THE 'ACCESS PROBLEM' IS AN IMMEDIATE GOAL. THREE CATEGORIES OF STATE NEEDS FOR INFORMATION AND DATA RESOURCES WERE IDENTIFIED: (1) IMPROVED METHODS FOR RAPID, INFORMAL INTER-STATE AND STATE-FEDERAL COMMUNICATIONS; (2) IMPROVED ACCESS TO EXISTING DATA BASES; (3) COORDINATION/COLLABORATION IN DATABASE BUILDING. THE STEERING COMMITTEE MADE SEVERAL RECOMMENDATIONS RELATED TO ESTABLISHING A 'COORDINATING COUNCIL FOR TOXICOLOGICAL AND ENVIRONMENTAL DATA RESOURCES' AND FOR NECESSARY FINANCIAL AND PERSONNEL RESOURCES. IN ADDITION TO THE SUMMARY, PAPERS AND REPORTS, THE APPENDICES INCLUDE THE WORKSHOP AGENDA AND ATTENDEES, A QUESTIONNAIRE FOR THE CALIFORNIA HESIS SURVEY, CHEMICALS RANKED BY NUMBER OF RESPONSES IN THE HESIS SURVEY, AND A DESCRIPTION OF THE GTE/MEDICAL INFORMATION NETWORK (MINET).

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013875

PUBLICATION DATE: SEP 85

TITLE: ENERGY USAGE ANALYSIS AT WASTEWATER TREATMENT PLANTS.

PERSONAL AUTHOR: SHINDALA, A.

DESCRIPTOR: *COSTS; *ENERGY; ENERGY CONSERVATION; *ENERGY USE; *FACILITIES; *MANAGEMENT; *OPERATIONS (WASTEWATER); *WASTEWATER TREATMENT; *RESEARCH REPORTS

DESCRIPTIVE NOTE: 220P. PRICE CODE: PC A10/MF A01. ORDER NO.: PB86-186244/WEP

ABSTRACT: THE ANNUAL COST OF OPERATING A WASTEWATER TREATMENT FACILITY IS MADE UP OF LABOR AND ENERGY. ENERGY COSTS, HOWEVER, REPRESENT A MAJOR PORTION OF THIS TOTAL ANNUAL OPERATING COST. BECAUSE EXPENDITURES FOR OPERATING WASTEWATER TREATMENT FACILITIES CONSTITUTE A MAJOR FINANCIAL BURDEN ON MUNICIPALITIES, ESPECIALLY SMALL COMMUNITIES, AND BECAUSE THE COSTS OF ELECTRICITY AND NATURAL GAS ARE RISING, IT IS CRITICAL FOR UTILITY MANAGERS AND TREATMENT PLANT OPERATORS TO RECOGNIZE AND IDENTIFY ENERGY USAGE AND IMPLEMENT ENERGY CONSERVATION MEASURES WITHOUT SACRIFICING TREATMENT EFFICIENCIES. SIGNIFICANT OPPORTUNITIES DO CURRENTLY EXIST FOR ENERGY CONSERVATION IN EXISTING WASTEWATER TREATMENT PLANTS. RECOGNIZING THE NEED TO ASSIST SMALL MUNICIPALITIES IN MISSISSIPPI CURTAIL ENERGY USAGE AND COSTS AT EXISTING WASTEWATER TREATMENT FACILITIES, THE MISSISSIPPI BUREAU OF POLLUTION CONTROL SPONSORED THE STUDY REPORTED HERE.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013876

PUBLICATION DATE: APR 86

TITLE: ION EXCHANGE RESINS. FEBRUARY 1983-MARCH 1986 (CITATIONS FROM THE NTIS DATABASE).

DESCRIPTOR: *AIR PURIFICATION; *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *ION EXCHANGE; *ION EXCHANGE RESINS; *PERFORMANCE EVALUATION; *WASTE TREATMENT; *WATER TREATMENT

DESCRIPTIVE NOTE: 108P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-863065/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING THE PREPARATION AND APPLICATIONS OF ION EXCHANGE RESINS. THEIR UTILIZATION AS CATALYSTS AND IN TREATMENT OF WATER AND WASTES, CHEMICAL ANALYSIS AND REACTIONS, NUCLEAR FUELS AND REACTORS, AND IN VARIOUS RECOVERY, PURIFICATION, AND SEPARATION PROCESSES ARE DISCUSSED. PERFORMANCE EVALUATIONS ARE ALSO INCLUDED RELATIVE TO AIR PURIFICATION PROCESSES. (THIS UPDATED BIBLIOGRAPHY CONTAINS 110 CITATIONS, 36 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013877

PUBLICATION DATE: MAY 86

TITLE: WASTEWATER TREATMENT. JUNE 1976-MAY 1986 (CITATIONS FROM THE ENERGY DATA BASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; *BIBLIOGRAPHIES; *EQUIPMENT; *OPERATIONS (WASTEWATER); *WASTEWATER TREATMENT

DESCRIPTIVE NOTE: 128P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-867702/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING TECHNIQUES AND EQUIPMENT FOR TREATMENT OF INDUSTRIAL (EXCEPT MINING) EFFLUENT STREAMS. CONSIDERATION IS GIVEN TO THE REMOVAL, RECLAMATION, AND RECYCLING OF VARIOUS TRACE METALS, HEAVY-METALS, HYDROCARBONS, AND OILY WASTEWATER TO MEET REGULATORY AGENCY DISCHARGE OR INPLANT REUSE STANDARDS. (THIS UPDATED BIBLIOGRAPHY CONTAINS 250 CITATIONS, 56 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013878

PUBLICATION DATE: MAY 86

TITLE: POLYELECTROLYTES: WASTEWATER AND WATER TREATMENT. 1977-MAY 1986 (CITATIONS FROM THE SELECTED WATER RESOURCES ABSTRACTS DATABASE).

DESCRIPTOR: *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *POLYELECTROLYTES; *WASTEWATER TREATMENT; *WATER TREATMENT

DESCRIPTIVE NOTE: 74P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-867694/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING POLYELECTROLYTES IN WASTEWATER AND WATER TREATMENT. TOPICS INCLUDE FLOCCULATION, COAGULATION, SEPARATION TECHNIQUES, POLLUTANT IDENTIFICATION, WATER POLLUTION SOURCES, SLUDGE DEHYDRATION, AND DESCRIPTIONS OF SPECIFIC STUDIES. HOSPITAL WASTEWATER PROCESSING, METHODS OF SYNTHESIZING POLYELECTROLYTE COMPLEXES, AND PERFORMANCE EVALUATIONS OF POLYELECTROLYTES ARE DISCUSSED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 140 CITATIONS, 19 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013879

PUBLICATION DATE: MAY 86

TITLE: OIL SPILLS: ENVIRONMENTAL EFFECTS. 1977-MAY 1986 (CITATIONS FROM THE SELECTED WATER RESOURCES ABSTRACTS DATABASE).

DESCRIPTOR: *CLEANUP; *ANNOTATED BIBLIOGRAPHIES; BIBLIOGRAPHIES; *ENVIRONMENTAL EFFECTS; *OIL SPILLS

DESCRIPTIVE NOTE: 162P. PRICE CODE: PC N01/MF N01. ORDER NO.: PB86-867447/WEP

ABSTRACT: THIS BIBLIOGRAPHY CONTAINS CITATIONS CONCERNING ENVIRONMENTAL IMPACTS FROM OIL SPILLS PRIMARILY RESULTING FROM SHIP WRECKS AND OIL DRILLING AND EXPLORATION. OIL SPILLS IN TEMPERATE, TROPIC AND ARCTIC ZONES WHICH AFFECT FRESH, ESTUARY, AND MARINE WATERS ARE INCLUDED. CLEANUP OPERATIONS AND PRIORITIES, COMPUTER MODELING AND SIMULATION ANALYSIS, OIL SPILL INVESTIGATIONS, AND PREDICTED MOVEMENT OF OIL SLICKS IN HIGH TRAFFIC SHIPPING LANES ARE AMONG THE TOPICS DISCUSSED. MICROBIAL DEGRADATION OF OILS, AND TESTING OF OIL AND OIL DISPERSANT TOXICITY TO AQUATIC PLANT AND ANIMAL LIFE ARE CONSIDERED. (THIS UPDATED BIBLIOGRAPHY CONTAINS 311 CITATIONS, 11 OF WHICH ARE NEW ENTRIES TO THE PREVIOUS EDITION.)

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

IRIS ACCESSION NUMBER: EW013880

PUBLICATION DATE: 86

TITLE: EPA (ENVIRONMENTAL PROTECTION AGENCY) ASSISTANCE ADMINISTRATION MANUAL UPDATES.

DESCRIPTOR: *ADMINISTRATION; *ADMINISTRATIVE UPDATES; *GRANTS; *ENVIRONMENT; *FINANCIAL PROGRAMS; *MANUALS; *REGULATIONS; *USEPA

DESCRIPTIVE NOTE: 1P. SUBSCRIPTION; ORDER NO.: PB86-903100/WEP

ABSTRACT: THIS ASSISTANCE ADMINISTRATION MANUAL IS THE SUCCESSOR TO THE EPA GRANTS ADMINISTRATION MANUAL THAT WAS FIRST PUBLISHED BY THE GRANTS ADMINISTRATION DIVISION (GAD) IN 1976. THIS NEW MANUAL NOT ONLY REFLECTS SEVERAL MAJOR CHANGES IN FEDERAL GRANT LAW THAT RESULTED FROM ENACTMENT OF THE FEDERAL GRANT AND COOPERATIVE AGREEMENT ACT OF 1977, BUT ALSO INCORPORATES CHANGES REQUIRED BY SEVERAL REVISED ENVIRONMENTAL STATUTES ADOPTED SINCE THAT DATE. THE ASSISTANCE ADMINISTRATION MANUAL PROVIDES POLICIES AND PROCEDURES FOR MANAGING ADMINISTRATIVE ASPECTS OF ALL EPA FINANCIAL ASSISTANCE PROGRAMS EXCEPT THE SCIENTIFIC ACTIVITIES OVERSEAS PROGRAM (FUNDED BY U.S. OWNED EXCESS FOREIGN CURRENCY), QUESTIONS ON THAT PROGRAM SHOULD BE DIRECTED TO EPA'S OFFICE OF INTERNATIONAL ACTIVITIES. THE MANUAL IS ORGANIZED TO TRACK THE APPLICATION, AWARD, AND POST-AWARD PHASES OF THE ASSISTANCE PROCESS.

AVAILABILITY: NATIONAL TECHNICAL INFORMATION SERVICE, 5285 PORT ROYAL ROAD, SPRINGFIELD, VA 22161

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*ENVIRONMENTAL IMPACT (15) EW013146 EW013188 EW013205 EW013215 EW013266 EW013268 EW013289
EW013786 EW013805 EW013816 EW013817 EW013818 EW013826 EW013844 EW013850

*ENVIRONMENTAL IMPACTS (1) EW013294

*ENVIRONMENTAL INFORMATION (1) EW013874

*ENVIRONMENTAL PROTECTION (2) EW013185 EW013186

ENVIRONMENTAL PROTECTION (1) EW013184

*ENVIRONMENTAL QUALITY (1) EW013174

*EPICHLOROHYDRIN (1) EW013227

*EQUIPMENT (12) EW013113 EW013153 EW013194 EW013195 EW013200 EW013215 EW013337
EW013782 EW013810 EW013815 EW013844 EW013877

*ESCHERICHIA COLI (1) EW013848

*ETHYLBENZENE (1) EW013228

*ETHYLENE DIBROMIDE (1) EW013229

*EUTROPHICATION (4) EW013793 EW013795 EW013798 EW013804

*EVALUATION (4) EW013138 EW013155 EW013169 EW013822

EVALUATION (2) EW013174 EW013181

*EXPOSURE (2) EW013118 EW013119

*FACILITIES (20) EW013138 EW013142 EW013144 EW013191 EW013200 EW013203 EW013204
EW013271 EW013782 EW013783 EW013790 EW013809 EW013815 EW013822 EW013824
EW013845 EW013852 EW013856 EW013857 EW013875

*FEDERAL FUNDING (1) EW013852

*FEDERAL MANAGERS' FINANCIAL INTEGRITY ACT (1) EW013296

*FEDERAL PROGRAMS (1) EW013159

*FEDERAL ROLE (1) EW013268

FEDERAL ROLE (1) EW013298

*FEED (1) EW013846

*FIELD ANALYSES (1) EW013803

*FIELD TECHNIQUES (1) EW013161
*FILMS (1) EW013149

*FILTER BELT PRESSES (1) EW013200

*FILTRATION (1) EW013780

*FINANCIAL PROGRAMS (1) EW013880

*FINANCING (1) EW013148

*FINE PORE AERATION (1) EW013810

*FISH (1) EW013860

*FISHERIES (1) EW013805

*FLUORIDE (1) EW013230

*FORMALDEHYDE (1) EW013255

FOUNDRIES (1) EW013831

FRANCE (1) EW013176

*FUEL (1) EW013846

*FUELS (1) EW013844

*FUNDING (1) EW013852

*FUNGICIDES (1) EW013839

*GAMES (1) EW013146

*GAO (2) EW013296 EW013297

GAO (1) EW013277

*GIARDIA (2) EW013231 EW013791

GOVERNMENT (1) EW013601

*GRANTS (1) EW013880

*GREAT LAKES (2) EW013139 EW013289

*GROUNDWATER (9) EW013138 EW013161 EW013190 EW013201 EW013207 EW013287 EW013288 EW013836 EW013847

*GUIDANCE MANUALS (5) EW013793 EW013794 EW013795 EW013796 EW013807

*GUIDELINES (2) EW013831 EW013850

*GUIDES (2) EW013158 EW013778

*HANDBOOKS (3) EW013160 EW013263 EW013872

*HAZARDOUS MATERIALS (14) EW013141 EW013158 EW013181 EW013183 EW013257 EW013736 EW013737 EW013738 EW013739 EW013814 EW013842 EW013855 EW013871 EW013872

*HAZARDOUS SUBSTANCES (2) EW013256 EW013275

*HAZARDOUS WASTES (31) EW013109 EW013115 EW013146 EW013181 EW013183 EW013185 EW013256
EW013257 EW013258 EW013273 EW013274 EW013277 EW013737 EW013778 EW013783
EW013785 EW013815 EW013816 EW013817 EW013818 EW013828 EW013829 EW013843
EW013845 EW013855 EW013856 EW013859 EW013863 EW013864 EW013865 EW013870

*HAZARDOUS WASTE SITES (1) EW013845

*HEALTH (21) EW013120 EW013121 EW013122 EW013123 EW013124 EW013125 EW013126
EW013127 EW013128 EW013129 EW013210 EW013260 EW013782 EW013800 EW013816
EW013817 EW013818 EW013821 EW013825 EW013827 EW013842

HEALTH (1) EW013141

*HEALTH EFFECTS (47) EW013189 EW013206 EW013216 EW013217 EW013218 EW013219 EW013220
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EW013237 EW013238 EW013239 EW013241 EW013242 EW013243 EW013244 EW013245
EW013246 EW013248 EW013249 EW013250 EW013251 EW013252 EW013253 EW013259
EW013267 EW013269 EW013272 EW013736 EW013737 EW013801 EW013840 EW013870

HEALTH EFFECTS (1) EW013820

*HEALTH HAZARDS (3) EW013255 EW013781 EW013787

*HELMINTHS (1) EW013800

*HEPTACHLOR (1) EW013127

*HERBICIDES (1) EW013801

*HETEROTROPHIC BACTERIA (1) EW013232

*HEXACHLOROBENZENE (1) EW013233

*HUMAN ECOLOGY (1) EW013841

*HYDRAULICS (1) EW013155

*HYDROCARBONS (1) EW013212

*HYDROGRAPHS (2) EW013137 EW013179

*HYDROLOGY (2) EW013179 EW013836

HYDROLOGY (1) EW013151

IDENTIFICATION (1) EW013181

*ILLINOIS (1) EW013834

ILLINOIS (1) EW013811

*IMMUNOFLUORESCENCE (1) EW013791

*IMPOUNDMENTS (1) EW013793

*INCINERATION (6) EW013815 EW013817 EW013818 EW013863 EW013864 EW013865

*INCINERATORS (1) EW013815

*INDEXES (2) EW013294 EW013832

*INDICATOR ORGANISMS (1) EW013850

*INDUSTRIAL SAFETY (1) EW013840
*INDUSTRIAL SITES (1) EW013255
*INDUSTRIAL WASTES (13) EW013153 EW013192 EW013213 EW013264 EW013265 EW013784 EW013789 EW013803 EW013831 EW013837 EW013838 EW013851 EW013857
*INDUSTRIAL WASTEWATER (1) EW013212
*INDUSTRY (5) EW013108 EW013111 EW013154 EW013175 EW013186
INDUSTRY (1) EW013141
*INFILTRATION (1) EW013201
*INFLOW (1) EW013201
*INFORMATION NEEDS (1) EW013874
*INFORMATION RESOURCES (1) EW013874
*INFORMATION SOURCES (1) EW013268
*INFRASTRUCTURE (1) EW013601
*INSPECTION (1) EW013159
*INSTRUCTION (1) EW013738
*INSTRUCTIONAL MATERIALS (2) EW013149 EW013152
*INSTRUMENTATION (1) EW013202
INSURANCE (1) EW013185
*INTERNAL CONTROLS (1) EW013296
*ION EXCHANGE (1) EW013876
*ION EXCHANGE RESINS (1) EW013876
*IRON (1) EW013198
*ISSUES (1) EW013184
*LABORATORY ANALYSES (1) EW013803
*LABORATORY MANUALS (2) EW013853 EW013854
*LABORATORY PRACTICE (1) EW013159
*LABORATORY PROCEDURES (5) EW013159 EW013161 EW013169 EW013791 EW013848
*LABORATORY TESTS (1) EW013197
*LAKE RESTORATION (1) EW013798
*LAKES (4) EW013150 EW013793 EW013798 EW013834
*LAND APPLICATION (2) EW013800 EW013817
*LAND DISPOSAL (2) EW013822 EW013859

*LANDFILLS (3) EW013143 EW013191 EW013822
*LAND INCINERATION (6) EW013815 EW013816 EW013818 EW013863 EW013864 EW013865
*LANDSCAPE DESIGN (1) EW013147
*LAND SCAPE MANAGEMENT (1) EW013147
*LAND TREATMENT (2) EW013142 EW013855
*LEACHATE (1) EW013191
*LEACHATE PLUME MANAGEMENT (1) EW013263
*LEACHATE TREATMENT (1) EW013191
*LEAD (2) EW013272 EW013820
*LEAK DETECTION (1) EW013190
*LEAKS (2) EW013190 EW013193
*LEGAL ISSUES (1) EW013185
*LEGIONELLA (1) EW013234
*LEGISLATION (5) EW013109 EW013176 EW013207 EW013298 EW013843
*LIABILITY (1) EW013193
LIABILITY (1) EW013185
*LIMNOLOGY (1) EW013838
*LINERS (3) EW013273 EW013824 EW013856
LIQUID WASTES (3) EW013863 EW013864 EW013865
*LITERATURE REVIEWS (2) EW013214 EW013801
*LOCAL FUNDING (1) EW013852
*LOCKBOXES (1) EW013739
*LOUISIANA (1) EW013736
*MAINTENANCE (6) EW013155 EW013163 EW013201 EW013337 EW013825 EW013827
MAINTENANCE (1) EW013810
*MANAGEMENT (29) EW013109 EW013110 EW013111 EW013112 EW013138 EW013141 EW013142
EW013144 EW013160 EW013164 EW013165 EW013166 EW013170 EW013179 EW013181
EW013184 EW013254 EW013263 EW013277 EW013289 EW013296 EW013737 EW013738
EW013829 EW013843 EW013855 EW013859 EW013870 EW013875
MANAGEMENT (2) EW013115 EW013174
*MANGANESE (1) EW013198
*MANPOWER NEEDS (1) EW013829
*MANUALS (5) EW013108 EW013114 EW013840 EW013850 EW013880
*MARKET ANALYSIS (1) EW013865

*MASSACHUSETTS (1) EW013266
*MATERIALS HANDLING (1) EW013739
*MEASUREMENT (1) EW013174
*MEMBRANE FILTERS (1) EW013848
*MEMBRANE LINERS (1) EW013273
*MERCURY (1) EW013235
*METADICHLOROBENZENE (1) EW013240
*METAL INDUSTRY (1) EW013831
*METALS (9) EW013163 EW013219 EW013222 EW013223 EW013235 EW013237 EW013238 EW013264 EW013265
METALS (3) EW013211 EW013831 EW013868
*METER READING (1) EW013199
*METERS (1) EW013199
*METHODS (1) EW013114
*METHOXYCHLOR (1) EW013236
*MICHIGAN (1) EW013601
*MICROBIOLOGY (2) EW013791 EW013799
*MICROSCOPY (1) EW013791
*MILITARY RESEARCH (1) EW013189
*MINES (1) EW013803
*MINING (1) EW013837
MODELS (1) EW013289
*MOLYBDENUM (1) EW013237
*MONITORING (5) EW013119 EW013201 EW013276 EW013791 EW013803
MONITORING (3) EW013174 EW013181 EW013183
*MUNICIPALITIES (1) EW013154
*MUNICIPAL WASTES (5) EW013213 EW013784 EW013789 EW013809 EW013851
*MUNICIPAL WASTEWATER (1) EW013212
*NATURAL RESOURCES (1) EW013145
*NEEDS (3) EW013148 EW013260 EW013601
NETHERLANDS (1) EW013176
*NICKEL (1) EW013238
*NITRATES (1) EW013239

*NITRITES (1) EW013239
*NOISE (1) EW013108
*NOISE POLLUTION (1) EW013294
*NONPOINT SOURCE POLLUTION (1) EW013268
*NONRETURNABLE PACKAGING (1) EW013823
*NUCLEAR FACILITIES (2) EW013203 EW013204
*NUTRIENTS (2) EW013793 EW013795
*OCCUPATIONAL ENVIRONMENT (1) EW013108
*OCCUPATIONAL EXPOSURE (1) EW013210
*OCCUPATIONAL HAZARDS (4) EW013208 EW013269 EW013781 EW013820
*OCCUPATIONAL HEALTH (1) EW013840
*OCCUPATIONAL HEALTH HAZARDS (1) EW013267
*OCCUPATIONAL TRENDS (1) EW013829
*OCEAN DUMPING (1) EW013851
*OCEAN INCINERATION (7) EW013815 EW013816 EW013817 EW013818 EW013863 EW013864 EW013865
*ODORS (1) EW013821
*OECD (1) EW013188
*OIL SPILLS (3) EW013196 EW013197 EW013879
*ONSITE TREATMENT (1) EW013138
*OPERATIONS (1) EW013859
*OPERATIONS (WASTES) (4) EW013809 EW013816 EW013817 EW013818
*OPERATIONS (WASTEWATER) (19) EW013152 EW013192 EW013200 EW013202 EW013209 EW013251 EW013254
EW013262 EW013271 EW013779 EW013780 EW013789 EW013790 EW013792 EW013810
EW013811 EW013857 EW013875 EW013877
*OPERATIONS (WATER) (4) EW013144 EW013198 EW013825 EW013827
*ORGANIC CHEMICALS (3) EW013276 EW013792 EW013835
ORGANIC CHEMICALS (3) EW013863 EW013864 EW013865
*ORGANIC COMPOUNDS (1) EW013813
*ORGANISMS (1) EW013169
*ORGANIZATION (1) EW013112
*ORTHODICHLOROBENZENE (1) EW013240
*PACKING (1) EW013823
*PARASITES (1) EW013262

*PATENTS	(1)	EW013785
*PATHOGENIC BACTERIA	(1)	EW013799
*PCBS	(2)	EW013242 EW013826
*PENTACHLOROPHENOL	(2)	EW013241 EW013269
*PERFORMANCE EVALUATION	(18)	EW013138 EW013197 EW013200 EW013209 EW013273 EW013275 EW013277 EW013337 EW013790 EW013792 EW013810 EW013811 EW013816 EW013824 EW013828 EW013842 EW013856 EW013876
*PERMIT AVERAGING PERIODS	(1)	EW013794
*PERMITS	(1)	EW013794
*PERSONNEL	(1)	EW013829
*PESTICIDE RESIDUES	(2)	EW013853 EW013854
*PESTICIDES	(11)	EW013159 EW013206 EW013269 EW013270 EW013294 EW013802 EW013813 EW013847 EW013853 EW013854 EW013860
*PETROCHEMICALS	(1)	EW013153
*PHENOLS	(1)	EW013213
*PHENOXY HERBICIDES	(1)	EW013801
*PHOSPHORUS	(1)	EW013209
*PHYSICAL CHARACTERISTICS	(1)	EW013158
*PILOT STUDIES	(1)	EW013870
*PIPES	(3)	EW013155 EW013163 EW013827
*PLANNING	(9)	EW013148 EW013160 EW013164 EW013165 EW013179 EW013191 EW013274 EW013809 EW013829
PLANNING	(1)	EW013202
*PLUMBING	(2)	EW013825 EW013827
*POLICIES	(7)	EW013146 EW013183 EW013184 EW013186 EW013187 EW013298 EW013851
POLICIES	(1)	EW013188
*POLLUTANTS	(1)	EW013792
*POLLUTION	(8)	EW013210 EW013211 EW013793 EW013794 EW013795 EW013796 EW013805 EW013807
*POLLUTION CONTAINMENT	(1)	EW013143
*POLLUTION CONTROL	(19)	EW013118 EW013119 EW013139 EW013146 EW013153 EW013183 EW013186 EW013190 EW013191 EW013193 EW013268 EW013294 EW013736 EW013737 EW013738 EW013787 EW013821 EW013826 EW013841
POLLUTION CONTROL	(1)	EW013185
*POLYCHLORINATED BIPHENYLS	(1)	EW013826
*POLYELECTROLYTES	(1)	EW013878

*POSTSECONDARY EDUCATION (1) EW013152
*PREVENTIVE MAINTENANCE (1) EW013337
*PRIORITIES (2) EW013601 EW013862
*PRIORITY POLLUTANTS (1) EW013792
*PRIVATE CONTRACTORS (1) EW013737
*PROCEDURES (1) EW013114
*PROGRAM DESCRIPTIONS (3) EW013196 EW013258 EW013274
*PROGRAM EVALUATION (1) EW013112
*PROGRAM GUIDES (1) EW013861
*PROGRAM REVIEW (1) EW013277
*PROGRAM REVIEWS (2) EW013274 EW013297
*PROJECT DESIGN (1) EW013857
*PROJECTIONS (1) EW013851
*PROJECTION SCREENS (1) EW013194
*PROJECT REVIEW (1) EW013857
*PROPERTY TAXES (1) EW013852
*PROTECTIVE EQUIPMENT (1) EW013257
*PROTOZOA (1) EW013800
*PUBLIC ATTITUDES (2) EW013861 EW013864
*PUBLIC HEALTH (17) EW013118 EW013119 EW013120 EW013121 EW013122 EW013123 EW013124 EW013125 EW013126 EW013127 EW013128 EW013129 EW013130 EW013298 EW013817 EW013818 EW013841
PUBLIC HEALTH (1) EW013141
*PUMPING STATIONS (1) EW013166
*PUMP-MATE (1) EW013337
*PUMPS (1) EW013337
*PURCHASE GUIDELINES (1) EW013195
*PURCHASING (1) EW013195
*PYROLYSIS (1) EW013844
*PYROLYSIS PROCESSES (1) EW013844
*QUALITY ASSURANCE (1) EW013174
*RADIATION (3) EW013108 EW013203 EW013204
*RADIATION SAFETY (1) EW013840

*RADIOACTIVE MATERIALS	(2)	EW013203 EW013204
*RADIOACTIVE WASTES	(1)	EW013824
*RAINFALL	(2)	EW013145 EW013179
*RCRA	(3)	EW013183 EW013277 EW013822
*RECLAMATION	(1)	EW013117
*RECOMMENDATIONS	(3)	EW013257 EW013296 EW013601
*RECYCLING	(4)	EW013264 EW013265 EW013783 EW013830
*REFERENCE GUIDES	(1)	EW013857
*REFERENCE MANUALS	(1)	EW013159
*REGULATIONS	(16)	EW013146 EW013160 EW013175 EW013176 EW013183 EW013206 EW013208 EW013298 EW013736 EW013814 EW013823 EW013831 EW013851 EW013857 EW013872 EW013880
REGULATIONS	(1)	EW013181
*REHABILITATION	(1)	EW013201
*REMEDIATION	(1)	EW013193
REPORTING	(1)	EW013174
*RESEARCH	(15)	EW013175 EW013197 EW013258 EW013262 EW013275 EW013294 EW013802 EW013803 EW013806 EW013820 EW013826 EW013830 EW013839 EW013843 EW013868
*RESEARCH NEEDS	(1)	EW013862
*RESEARCH PROJECTS	(1)	EW013196
*RESEARCH REPORTS	(9)	EW013213 EW013805 EW013813 EW013822 EW013847 EW013861 EW013863 EW013864 EW013875
*RESEARCH REVIEWS	(1)	EW013267
*RESOURCE CONSERVATION AND RECOVERY ACT	(1)	EW013822
*RESOURCE RECOVERY	(7)	EW013170 EW013264 EW013265 EW013809 EW013830 EW013846 EW013861
*RESPONSE PROGRAMS	(1)	EW013814
*RISK ASSESSMENT	(22)	EW013120 EW013121 EW013122 EW013123 EW013124 EW013125 EW013126 EW013127 EW013128 EW013129 EW013141 EW013146 EW013203 EW013204 EW013206 EW013234 EW013247 EW013814 EW013816 EW013817 EW013818 EW013870
RISK ASSESSMENT	(1)	EW013181
*RIVERS	(4)	EW013795 EW013796 EW013807 EW013834
RIVERS	(1)	EW013175
*RUBBER	(1)	EW013830
*RURAL AREAS	(2)	EW013130 EW013789
RURAL AREAS	(1)	EW013151

*SAFETY (11) EW013257 EW013260 EW013294 EW013298 EW013736 EW013737 EW013738 EW013739 EW013781 EW013782 EW013840
SALTS (1) EW013868
*SAMPLING (2) EW013232 EW013255
SAMPLING (2) EW013114 EW013174
*SAND FILTRATION (1) EW013780
*SANITARY LANDFILLS (1) EW013859
*SANITATION (2) EW013116 EW013148
*SANTA BARBARA (1) EW013179
*SECONDARY EDUCATION (1) EW013149
SECONDARY EDUCATION (1) EW013601
*SEDIMENTS (1) EW013114
*SEDIMENT SAMPLING (1) EW013114
*SELECTION CRITERIA (1) EW013194
*SELENIUM (2) EW013130 EW013243
SEMINARS (1) EW013185
*SEWAGE (2) EW013779 EW013838
*SEWAGE SLUDGE (2) EW013254 EW013821
*SEWERS (5) EW013137 EW013151 EW013168 EW013178 EW013201
*SEWER SYSTEMS (1) EW013168
*SITE CLEANUP (1) EW013115
SITE EVALUATION (1) EW013181
*SITE SELECTION (1) EW013138
*SLIDES (1) EW013784
*SLUDGE (5) EW013113 EW013200 EW013262 EW013800 EW013811
*SLUDGE DIGESTION (1) EW013811
*SLUDGE DISPOSAL (1) EW013254
*SLUDGE STORAGE (1) EW013254
*SOILS (4) EW013138 EW013142 EW013143 EW013275
*SOIL USE (1) EW013143
*SOLID WASTES (4) EW013170 EW013191 EW013294 EW013822
SOLID WASTES (1) EW013601
*SPILLS (2) EW013778 EW013871

*STAFF NEEDS	(1)	EW013829
*STANDARDS	(1)	EW013272
*STATISTICAL DATA	(1)	EW013833
*STORAGE TANKS	(2)	EW013190 EW013193
*STORM SEWERS	(2)	EW013137 EW013178
*STORM WATER	(1)	EW013166
*STORMWATER	(2)	EW013164 EW013165
*STREAMS	(5)	EW013150 EW013795 EW013796 EW013807 EW013834
*STRIP MINING	(1)	EW013837
*STYRENE	(1)	EW013244
*SULFATES	(1)	EW013245
*SUPERFUND	(1)	EW013274
*SURFACE RUNOFF	(8)	EW013117 EW013137 EW013164 EW013165 EW013166 EW013178 EW013179 EW013838
*SURFACTANTS	(1)	EW013275
*SURVEYS	(1)	EW013834
SURVEYS	(1)	EW013864
*TECHNICAL CHANGE	(1)	EW013186
*TECHNICAL PERSONNEL	(1)	EW013829
*TECHNICAL SUPPORT	(1)	EW013109
*TECHNOLOGY	(11)	EW013109 EW013153 EW013196 EW013209 EW013215 EW013256 EW013273 EW013828 EW013836 EW013856 EW013860
TECHNOLOGY	(1)	EW013865
*TELEVISION	(1)	EW013139
*TEMPERATURE	(2)	EW013108 EW013271
*TERRE-TOX	(1)	EW013786
*TEST PROCEDURES	(1)	EW013848
*TETRACHLOROETHYLENE	(1)	EW013246
*TEXAS	(1)	EW013738
*THERMOPHILLIC SLUDGE DIGESTION	(1)	EW013811
*TILLAGE PRACTICES	(1)	EW013270
*TOBACCO	(1)	EW013210

*TOXAPHENE (1) EW013128
*TOXICITY (4) EW013208 EW013210 EW013211 EW013269
*TOXICITY TESTS (1) EW013175
*TOXICOLOGICAL INFORMATION (1) EW013874
*TOXICOLOGY (37) EW013125 EW013128 EW013130 EW013169 EW013216 EW013217 EW013218 EW013219 EW013220 EW013221 EW013222 EW013223 EW013224 EW013225 EW013226 EW013227 EW013228 EW013229 EW013230 EW013233 EW013235 EW013236 EW013237 EW013238 EW013239 EW013241 EW013242 EW013243 EW013244 EW013245 EW013246 EW013248 EW013249 EW013252 EW013253 EW013260 EW013272
TOXICOLOGY (1) EW013175
*TOXIC SUBSTANCES (21) EW013130 EW013153 EW013159 EW013206 EW013212 EW013213 EW013240 EW013269 EW013298 EW013786 EW013787 EW013792 EW013802 EW013807 EW013813 EW013820 EW013826 EW013835 EW013850 EW013868 EW013874
TOXIC SUBSTANCES (2) EW013175 EW013211
*TOXIC SUBSTANCES CONTROL ACT (1) EW013297
*TRACERS (1) EW013161
*TRACER TESTS (1) EW013161
*TRAINING (6) EW013108 EW013148 EW013260 EW013738 EW013782 EW013840
TRAINING (2) EW013115 EW013177
*TRANSFORMATION (1) EW013813
*TRANSPORT (1) EW013813
*TRANSPORTATION (6) EW013185 EW013203 EW013204 EW013736 EW013814 EW013872
TRANSPORTATION (1) EW013601
*TREATMENT (1) EW013275
*TRENCHES (1) EW013143
*TRENDS (3) EW013834 EW013851 EW013865
*TRICHLOROETHYLENE (1) EW013249
*TRIHALOMETHANES (1) EW013806
*TURBIDITY (1) EW013251
*UNDERGROUND STORAGE TANKS (2) EW013190 EW013193
*UNITED STATES (1) EW013843
*URANIUM (1) EW013840
*URBAN AREAS (4) EW013117 EW013137 EW013164 EW013165
URBAN AREAS (1) EW013151
*U.S. ARMY (1) EW013189

*USEPA	(50)	EW013159 EW013216 EW013217 EW013218 EW013219 EW013220 EW013221 EW013222 EW013223 EW013224 EW013225 EW013226 EW013227 EW013228 EW013229 EW013230 EW013231 EW013232 EW013233 EW013234 EW013235 EW013236 EW013237 EW013238 EW013239 EW013240 EW013241 EW013242 EW013243 EW013244 EW013245 EW013246 EW013247 EW013248 EW013249 EW013250 EW013251 EW013252 EW013253 EW013258 EW013259 EW013272 EW013274 EW013276 EW013277 EW013296 EW013297 EW013778 EW013831 EW013880
USEPA	(2)	EW013298 EW013786
*USER CHARGES	(1)	EW013852
*UTILITIES	(1)	EW013199
*VIDEOCASSETTE RECORDERS	(1)	EW013195
*VINYL CHLORIDE	(1)	EW013252
*VINYLIDENE CHLORIDE	(1)	EW013267
*VIRGINIA	(1)	EW013288
*VIRUSES	(2)	EW013129 EW013800
*VOLATILE ORGANIC CHEMICALS	(1)	EW013276
*WASTE DISPOSAL	(24)	EW013116 EW013118 EW013142 EW013148 EW013149 EW013152 EW013170 EW013181 EW013191 EW013785 EW013800 EW013823 EW013824 EW013828 EW013830 EW013843 EW013851 EW013855 EW013856 EW013860 EW013863 EW013864 EW013865 EW013870
WASTE DISPOSAL	(3)	EW013115 EW013256 EW013846
*WASTE LOAD ALLOCATIONS	(5)	EW013793 EW013794 EW013795 EW013796 EW013807
*WASTE MANAGEMENT	(1)	EW013170
*WASTE PROCESSING	(1)	EW013153
*WASTE RECOVERY	(1)	EW013809
*WASTES	(5)	EW013264 EW013265 EW013273 EW013821 EW013872
*WASTE SITES	(3)	EW013143 EW013181 EW013828
*WASTE STORAGE	(7)	EW013143 EW013273 EW013785 EW013824 EW013843 EW013856 EW013870
*WASTE TREATMENT	(25)	EW013116 EW013142 EW013143 EW013181 EW013191 EW013256 EW013258 EW013778 EW013783 EW013784 EW013785 EW013789 EW013811 EW013815 EW013816 EW013817 EW013818 EW013821 EW013828 EW013855 EW013863 EW013864 EW013865 EW013870 EW013876
WASTE USE	(1)	EW013846
*WASTEWATER	(5)	EW013212 EW013213 EW013264 EW013265 EW013861
*WASTEWATER COLLECTION	(7)	EW013137 EW013151 EW013164 EW013165 EW013168 EW013178 EW013201
*WASTEWATER REUSE	(1)	EW013861
*WASTEWATER TREATMENT	(36)	EW013113 EW013116 EW013138 EW013149 EW013151 EW013152 EW013154 EW013160 EW013192 EW013200 EW013202 EW013209 EW013214 EW013254 EW013262

EW013266 EW013271 EW013294 EW013779 EW013780 EW013784 EW013789 EW013790 EW013792 EW013799 EW013800 EW013810 EW013811 EW013821 EW013838 EW013852 EW013857 EW013860 EW013875 EW013877 EW013878

WASTEWATER TREATMENT (1) EW013601

*WATER CONSERVATION (1) EW013147

*WATER CONTAMINATION (1) EW013833

*WATER DISPOSAL (1) EW013837

*WATER DISTRIBUTION (5) EW013155 EW013163 EW013176 EW013825 EW013827

*WATER MAINS (1) EW013155

*WATER MANAGEMENT (1) EW013179

*WATER PIPES (2) EW013825 EW013827

*WATER POLLUTION (4) EW013149 EW013821 EW013826 EW013868

*WATER POLLUTION CONTROL (21) EW013139 EW013149 EW013177 EW013190 EW013196 EW013197 EW013288 EW013294 EW013787 EW013793 EW013794 EW013795 EW013796 EW013803 EW013804 EW013807 EW013831 EW013834 EW013836 EW013851 EW013857

*WATER QUALITY (64) EW013145 EW013148 EW013177 EW013205 EW013207 EW013216 EW013217 EW013218 EW013219 EW013220 EW013221 EW013222 EW013223 EW013224 EW013225 EW013226 EW013227 EW013228 EW013229 EW013230 EW013231 EW013232 EW013233 EW013234 EW013235 EW013236 EW013237 EW013238 EW013239 EW013240 EW013241 EW013242 EW013243 EW013244 EW013245 EW013246 EW013248 EW013249 EW013250 EW013251 EW013252 EW013253 EW013263 EW013266 EW013270 EW013272 EW013276 EW013287 EW013288 EW013289 EW013793 EW013794 EW013795 EW013796 EW013799 EW013804 EW013807 EW013833 EW013834 EW013835 EW013836 EW013847 EW013851 EW013868

*WATER RESOURCES (8) EW013117 EW013147 EW013148 EW013288 EW013832 EW013837 EW013847 EW013862

*WATER STORAGE (1) EW013145

*WATER SUPPLY (11) EW013116 EW013117 EW013145 EW013148 EW013176 EW013177 EW013207 EW013288 EW013791 EW013835 EW013836

WATER SUPPLY (1) EW013601

*WATER TREATMENT (15) EW013144 EW013154 EW013163 EW013198 EW013214 EW013251 EW013259 EW013287 EW013791 EW013806 EW013825 EW013827 EW013836 EW013876 EW013878

*WATER USE (2) EW013145 EW013147

*WELL MAINTENANCE (1) EW013287

*WELLS (1) EW013287

*WETLANDS (1) EW013160

WORK ENVIRONMENT (1) EW013141

*WORKSHOPS (2) EW013860 EW013874

*WORLD PROBLEMS (5) EW013148 EW013176 EW013177 EW013185 EW013260

*XYLENES	(1)	EW013253
*1,1,1-TRICHLOROETHANE	(1)	EW013248
*2, 3, 7, 8-TCDD	(1)	EW013126
*2, 4-D	(1)	EW013124
*2,4,5-TP	(1)	EW013250